

	<b>Issue Date</b>	<b>Pages</b>	<b>Document ID</b>	<b>Title</b>
1	20010522	37	US 6235729 B1	Uses of phospholipase C inhibitors

	Issue Date	Pages	Document ID	Title
1	20030403	14	US 20030064495 A1	Novel human kinase proteins and polynucleotides encoding the same
2	20030130	36	US 20030023065 A1	Novel human ATPase proteins and polynucleotides encoding the same
3	20030130	17	US 20030023063 A1	Novel human kinases and polynucleotides encoding the same
4	20030109	20	US 20030009021 A1	Novel human proteases and polynucleotides encoding the same
5	20030102	14	US 20030004328 A1	Novel human G-coupled protein receptor kinases and polynucleotides encoding the same
6	20021121	16	US 20020173641 A1	Novel human carboxypeptidases and polynucleotides encoding the same
7	20021107	14	US 20020165376 A1	Novel human proteases and polynucleotides encoding the same
8	20021031	78	US 20020161213 A1	Novel human kinases and polynucleotides encoding the same
9	20021031	29	US 20020161207 A1	Novel murine polynucleotide sequences and mutant cells and mutant animals defined thereby
10	20021010	21	US 20020147320 A1	Novel human kinase proteins and polynucleotides encoding the same
11	20020926	16	US 20020137913 A1	Novel human kinases and polynucleotides encoding the same
12	20020912	17	US 20020128458 A1	Novel human kinases and polynucleotides encoding the same
13	20020829	33	US 20020120113 A1	Novel human proteases and polynucleotides encoding the same
14	20020829	147	US 20020119463 A1	Prostate cancer markers
15	20020815	18	US 20020110908 A1	Novel human kinases and polynucleotides encoding the same

	<b>Issue Date</b>	<b>Pages</b>	<b>Document ID</b>	<b>Title</b>
16	20020815	36	US 20020110809 A1	Novel human polynucleotides and polypeptides encoded thereby
17	20020808	16	US 20020107384 A1	Novel human kinase and polynucleotides encoding the same
18	20020801	296	US 20020102543 A1	Novel murine polynucleotide sequences and mutant cells and mutant animals defined thereby
19	20020718	36	US 20020095031 A1	Novel human polynucleotides and polypeptides encoded thereby
20	20020627	10	US 20020082406 A1	Novel human kinase interacting protein and polynucleotides encoding the same
21	20020627		US 20020081668 A1	Novel murine polynucleotide sequences and mutant cells and mutant animals defined thereby
22	20020627	20	US 20020081600 A1	Novel human kinase proteins and polynucleotides encoding the same
23	20020418	13	US 20020045743 A1	Novel human membrane proteins and polynucleotides encoding the same
24	20020411	14	US 20020042503 A1	Novel human G-coupled protein receptor kinases and polynucleotides encoding the same
25	20020404		US 20020039581 A1	Antibodies against CTLA4 and uses therefor
26	20020328	54	US 20020038011 A1	Novel human kinases and polynucleotides encoding the same
27	20020328	12	US 20020038009 A1	Novel human kinase protein and polynucleotides encoding the same
28	20020321		US 20020034799 A1	Novel human transporter protein and polynucleotides encoding the same
29	20011025		US 20010034437 A1	Novel human proteases and polynucleotides encoding the same

	Issue Date	Pages	Document ID	Title
30	20030617	75	US 6579710 B2	Human kinases and polynucleotides encoding the same
31	20030415		US 6548271 B1	Nucleic acids encoding human transporter proteins
32	20030401	11	US 6541252 B1	Human kinases and polynucleotides encoding the same
33	20030318		US 6534655 B1	Indeno[1,2-C]pyrazole derivatives for inhibiting tyrosine kinase activity
34	20030128	27	US 6511840 B1	Human kinase proteins and polynucleotides encoding the same
35	20021105	17	US 6476210 B2	Human kinases and polynucleotides encoding the same
36	20021008	35	US 6462186 B1	Human ATPase proteins and polynucleotides encoding the same
37	20020903	15	US 6444456 B1	Human G-coupled protein receptor kinases and polynucleotides encoding the same
38	20020827	20	US 6441154 B1	Human proteases and polynucleotides encoding the same
39	20020827	16	US 6441153 B1	Human carboxypeptidases and polynucleotides encoding the same
40	20011002	36	US 6297238 B1	Therapeutic agents
41	20010522	37	US 6235729 B1	Uses of phospholipase C inhibitors

	Issue Date	Pages	Document ID	Title
42	19971125		US 5691156 A	Method of inhibiting cell growth with the P.sub.2U receptor
43	19970304		US 5607836 A	Methods of detecting compounds which bind to the P.sub.2U receptor
44	19970121		US 5596088 A	DNA Encoding the human P.sub.2U receptor and null cells expressing P.sub.2U receptors
45	19940705		US 5326558 A	Megakaryocytopoietic factor

	L #	Hits	Search Text
1	L1	36003	kinase\$2
2	L2	348073	human
3	L3	11094	11 same 12
4	L4	462998	clon\$3 or express\$2 or recombinant
5	L5	4719	13 same 14
6	L6	74412	brain or cerebellum or prostate or adrenal
7	L7	128711	thyroid or pancreas or heart or salivary or stomach
8	L8	165739	16 or 17
9	L9	958	15 same 18
10	L10	66	donoho.in.
11	L11	28	hilbun.in.
12	L12	3758	turner.in.

	L #	Hits	Search Text
13	L13	58	zambrowicz.in.
14	L14	344	sands.in.
15	L15	13	110-114
16	L16	4111	110 or 111 or 112 or 113 or 114
17	L17	1	19 and 116
18	L18	45	15 and 116

=> d his

(FILE 'HOME' ENTERED AT 08:54:44 ON 01 JUL 2003)

FILE 'MEDLINE, EMBASE, BIOSIS, BIOTECHDS, SCISEARCH, HCPLUS, NTIS,  
LIFESCI' ENTERED AT 08:55:32 ON 01 JUL 2003

L1 1090522 S KINASE?  
L2 1344 S HUMAN (A) L1  
L3 6013004 S CLON? OR EXPRESS? OR RECOMBINANT  
L4 895 S L2 AND L3  
L5 3305135 S BRAIN OR CEREBELUM OR PROSTATE OR TESTIS OR ADRENAL  
L6 3654948 S THYROID OR PANCREAS OR HEART OR SALIVARY OR STOMACH  
L7 209 S L4 AND L5  
L8 105 S L4 AND L6  
L9 249 S L7 OR L8  
L10 202 DUP REM L9 (47 DUPLICATES REMOVED)  
L11 374311 S SERINE OR THREONINE  
L12 56 S L10 AND L11  
E DONOHO G/AU  
L13 62 S E3  
L14 132 S E3-E9  
E HILBUN E/AU  
L15 54 S E3-E4  
E TURNER C A/AU  
L16 241 S E3-E9  
E FRIEDRICH G/AU  
L17 830 S E3  
E ZAMBROWICZ B/AU  
L18 75 S E3  
L19 260 S E3-E9  
E SANDS A T/AU  
L20 120 S E3  
L21 1293 S L12 OR L14 OR L15 OR L16 OR L17 OR L18 OR L20  
L22 56 S L12 AND L21  
L23 56 DUP REM L22 (0 DUPLICATES REMOVED)  
L24 58 S L10 AND L21

## Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID: SSSPTA1652MXM

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America  
NEWS 2 "Ask CAS" for self-help around the clock  
NEWS 3 Jun 03 New e-mail delivery for search results now available  
NEWS 4 Aug 08 PHARMAMarketLetter(PHARMAML) - new on STN  
NEWS 5 Aug 19 Aquatic Toxicity Information Retrieval (AQUIRE)  
now available on STN  
NEWS 6 Aug 26 Sequence searching in REGISTRY enhanced  
NEWS 7 Sep 03 JAPIO has been reloaded and enhanced  
NEWS 8 Sep 16 Experimental properties added to the REGISTRY file  
NEWS 9 Sep 16 CA Section Thesaurus available in CAPLUS and CA  
NEWS 10 Oct 01 CASREACT Enriched with Reactions from 1907 to 1985  
NEWS 11 Oct 24 BEILSTEIN adds new search fields  
NEWS 12 Oct 24 Nutraceuticals International (NUTRACEUT) now available on STN  
NEWS 13 Nov 18 DKILIT has been renamed APOLLIT  
NEWS 14 Nov 25 More calculated properties added to REGISTRY  
NEWS 15 Dec 04 CSA files on STN  
NEWS 16 Dec 17 PCTFULL now covers WP/PCT Applications from 1978 to date  
NEWS 17 Dec 17 TOXCENTER enhanced with additional content  
NEWS 18 Dec 17 Adis Clinical Trials Insight now available on STN  
NEWS 19 Jan 29 Simultaneous left and right truncation added to COMPENDEX,  
ENERGY, INSPEC  
NEWS 20 Feb 13 CANCERLIT is no longer being updated  
NEWS 21 Feb 24 METADEX enhancements  
NEWS 22 Feb 24 PCTGEN now available on STN  
NEWS 23 Feb 24 TEMA now available on STN  
NEWS 24 Feb 26 NTIS now allows simultaneous left and right truncation  
NEWS 25 Feb 26 PCTFULL now contains images  
NEWS 26 Mar 04 SDI PACKAGE for monthly delivery of multifile SDI results  
NEWS 27 Mar 20 EVENTLINE will be removed from STN  
NEWS 28 Mar 24 PATDPAFULL now available on STN  
NEWS 29 Mar 24 Additional information for trade-named substances without  
structures available in REGISTRY  
NEWS 30 Apr 11 Display formats in DGENE enhanced  
NEWS 31 Apr 14 MEDLINE Reload  
NEWS 32 Apr 17 Polymer searching in REGISTRY enhanced  
NEWS 33 Jun 13 Indexing from 1947 to 1956 added to records in CA/CAPLUS  
NEWS 34 Apr 21 New current-awareness alert (SDI) frequency in  
WPIDS/WPINDEX/WPIX  
NEWS 35 Apr 28 RDISCLOSURE now available on STN  
NEWS 36 May 05 Pharmacokinetic information and systematic chemical names  
added to PHAR  
NEWS 37 May 15 MEDLINE file segment of TOXCENTER reloaded  
NEWS 38 May 15 Supporter information for ENCOMPPAT and ENCOMPLIT updated  
NEWS 39 May 16 CHEMREACT will be removed from STN  
NEWS 40 May 19 Simultaneous left and right truncation added to WSCA  
NEWS 41 May 19 RAPRA enhanced with new search field, simultaneous left and

right truncation  
NEWS 42 Jun 06 Simultaneous left and right truncation added to CBNB  
NEWS 43 Jun 06 PASCAL enhanced with additional data  
NEWS 44 Jun 20 2003 edition of the FSTA Thesaurus is now available  
NEWS 45 Jun 25 HSDB has been reloaded

NEWS EXPRESS April 4 CURRENT WINDOWS VERSION IS V6.01a, CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0jb(JP), AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003  
NEWS HOURS STN Operating Hours Plus Help Desk Availability  
NEWS INTER General Internet Information  
NEWS LOGIN Welcome Banner and News Items  
NEWS PHONE Direct Dial and Telecommunication Network Access to STN  
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

FILE 'HOME' ENTERED AT 08:54:44 ON 01 JUL 2003

=> file medline embase biosis biotechds scisearch hcplus ntis lifesci  
COST IN U.S. DOLLARS SINCE FILE TOTAL  
ENTRY SESSION  
FULL ESTIMATED COST 0.21 0.21

FILE: 'MEDLINE' ENTERED AT 08:55:32 ON 01 JUL 2003

FILE 'EMBASE' ENTERED AT 08:55:32 ON 01 JUL 2003  
COPYRIGHT (C) 2003 Elsevier Science B.V. All rights reserved.

FILE 'BIOSIS' ENTERED AT 08:55:32 ON 01 JUL 2003  
COPYRIGHT (C) 2003 BIOLOGICAL ABSTRACTS INC (R)

FILE 'BIOTECHDS' ENTERED AT 08:55:32 ON 01 JUL 2003  
COPYRIGHT (C) 2003 THOMSON DERWENT AND INSTITUTE FOR SCIENTIFIC INFORMATION

FILE 'SCISEARCH' ENTERED AT 08:55:32 ON 01 JUL 2003  
COPYRIGHT 2003, THOMSON LIST

FILE 'HCAPLUS' ENTERED AT 08:55:32 ON 01 JUL 2003  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'NTIS' ENTERED AT 08:55:32 ON 01 JUL 2003  
Compiled and distributed by the NTIS, U.S. Department of Commerce.  
It contains copyrighted material.  
All rights reserved. (2003)

FILE 'LIFESCI' ENTERED AT 08:55:32 ON 01 JUL 2003  
COPYRIGHT (C) 2003 Cambridge Scientific Abstracts (CSA)

=> s kinase?

L1 1090522 KINASE?

=> s human (a)11

L2 1344 HUMAN (A) L1

=> s clon? or express? or recombinant  
3 FILES SEARCHED...

L3 6013004 CLON? OR EXPRESS? OR RECOMBINANT

=> s 12 and 13

L4 895 L2 AND L3

=> s brain or cerebellum or prostate or testis or adrenal

L5 3305135 BRAIN OR CEREBELUM OR PROSTATE OR TESTIS OR ADRENAL

=> s thyroif pncreas or heart or salivary or stomach

<-----User Break----->

SEARCH ENDED BY USER

SEARCH ENDED BY USER

=> s thyroid pancreas or heart or salivary or stomach

<-----User Break----->

SEARCH ENDED BY USER

SEARCH ENDED BY USER

=> s thyroid or pancreas or heart or salivary or stomach

L6 3654948 THYROID OR PANCREAS OR HEART OR SALIVARY OR STOMACH

=> d his

(FILE 'HOME' ENTERED AT 08:54:44 ON 01 JUL 2003)

FILE 'MEDLINE, EMBASE, BIOSIS, BIOTECHDS, SCISEARCH, HCPLUS, NTIS,  
LIFESCI' ENTERED AT 08:55:32 ON 01 JUL 2003

L1 1090522 S KINASE?

L2 1344 S HUMAN (A) L1

L3 6013004 S CLON? OR EXPRESS? OR RECOMBINANT

L4 895 S L2 AND L3

L5 3305135 S BRAIN OR CEREBELUM OR PROSTATE OR TESTIS OR ADRENAL

L6 3654948 S THYROID OR PANCREAS OR HEART OR SALIVARY OR STOMACH

=> s 15 or 16

COMMAND INTERRUPTED

If this message appears repeatedly, please notify the Help Desk.  
Enter "HELP STN" for information on contacting the nearest STN Help  
Desk by telephone or via SEND in the STNMAIL file.

=> s 14 and 15

L7 209 L4 AND L5

=> s 14 and 16

L8 105 L4 AND L6

=> s 17 or 18

L9 249 L7 OR L8

=> dup rem 19

PROCESSING COMPLETED FOR L9

L10 202 DUP REM L9 (47 DUPLICATES REMOVED)

=> s serine or threonine  
L11 374311 SERINE OR THREONINE

=> s 110 and 111  
L12 56 L10 AND L11

=> d 1-56 ibib

L12 ANSWER 1 OF 56 MEDLINE  
ACCESSION NUMBER: 2002359354 MEDLINE  
DOCUMENT NUMBER: 22097604 PubMed ID: 12103360  
TITLE: The identification and subcellular localization of human MRK.  
AUTHOR: Yang Tao; Jiang Yunai; Chen Jiangye  
CORPORATE SOURCE: State Key Laboratory of Molecular Biology, Institute of Biochemistry and Cell Biology, Shanghai Institutes for Biological Sciences, Chinese Academy of Sciences, China.  
SOURCE: BIOMOLECULAR ENGINEERING, (2002 Jun) 19 (1) 1-4.  
Journal code: 100928062. ISSN: 1389-0344.  
PUB. COUNTRY: Netherlands  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 200212  
ENTRY DATE: Entered STN: 20020710  
Last Updated on STN: 20021228  
Entered Medline: 20021227

L12 ANSWER 2 OF 56 MEDLINE  
ACCESSION NUMBER: 2000483169 MEDLINE  
DOCUMENT NUMBER: 20445994 PubMed ID: 10990492  
TITLE: Isolation and **expression** of PASK, a **serine/threonine** kinase, during rat embryonic development, with special emphasis on the **pancreas**.  
AUTHOR: Miao N; Fung B; Sanchez R; Lydon J; Barker D; Pang K  
CORPORATE SOURCE: Ontogeny, Inc., Cambridge, Massachusetts 02138-1118, USA.  
SOURCE: JOURNAL OF HISTOCHEMISTRY AND CYTOCHEMISTRY, (2000 Oct) 48 (10) 1391-400.  
Journal code: 9815334. ISSN: 0022-1554.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 2000010  
ENTRY DATE: Entered STN: 20001019  
Last Updated on STN: 20020420  
Entered Medline: 20001010

L12 ANSWER 3 OF 56 MEDLINE  
ACCESSION NUMBER: 92348472 MEDLINE  
DOCUMENT NUMBER: 92348472 PubMed ID: 1639825  
TITLE: **Expression** of TTK, a novel human protein kinase, is associated with cell proliferation.  
AUTHOR: Mills G B; Schmandt R; McGill M; Amendola A; Hill M; Jacobs K; May C; Rodricks A M; Campbell S; Hogg D  
CORPORATE SOURCE: Oncology Research, Toronto General Hospital, Ontario, Canada.  
SOURCE: JOURNAL OF BIOLOGICAL CHEMISTRY, (1992 Aug 5) 267 (22) 16000-6.  
Journal code: 2985121R. ISSN: 0021-9258.  
PUB. COUNTRY: United States

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
OTHER SOURCE: GENBANK-M86699; GENBANK-M94136; GENBANK-M94137;  
GENBANK-M94138; GENBANK-M94139; GENBANK-M94140;  
GENBANK-M94141; GENBANK-M94142; GENBANK-M94143;  
GENBANK-M94144  
ENTRY MONTH: 199208  
ENTRY DATE: Entered STN: 19920911  
Last Updated on STN: 19920911  
Entered Medline: 19920828

L12 ANSWER 4 OF 56 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.  
ACCESSION NUMBER: 2002:74113 BIOSIS  
DOCUMENT NUMBER: PREV200200074113  
TITLE: Cell volume-regulated **human kinase**  
h-sgk.  
AUTHOR(S): Lang, Florian (1); Waldegger, Siegfried  
CORPORATE SOURCE: (1) Im Rotbad 52, 72076 Tubingen Germany  
PATENT INFORMATION: US 6326181 December 04, 2001  
SOURCE: Official Gazette of the United States Patent and Trademark  
Office Patents, (Dec. 4, 2001) Vol. 1253, No. 1, pp. No  
Pagination. <ftp://ftp.uspto.gov/pub/patdata/>. e-file.  
ISSN: 0098-1133.  
DOCUMENT TYPE: Patent  
LANGUAGE: English

L12 ANSWER 5 OF 56 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.  
ACCESSION NUMBER: 2000:266075 BIOSIS  
DOCUMENT NUMBER: PREV200000266075  
TITLE: Characterization of hPRP4 kinase activation: Potential role  
in signaling.  
AUTHOR(S): Huang, Yong (1); Deng, Tiliang; Winston, Brent W. (1)  
CORPORATE SOURCE: (1) Department of Medicine, University of Calgary, Calgary,  
Alberta, T2N 4N1 Canada  
SOURCE: Biochemical and Biophysical Research Communications, (May  
10, 2000) Vol. 271, No. 2, pp. 456-463. print..  
ISSN: 0006-291X.  
DOCUMENT TYPE: Article  
LANGUAGE: English  
SUMMARY LANGUAGE: English

L12 ANSWER 6 OF 56 BIOTECHDS COPYRIGHT 2003 THOMSON DERWENT AND ISI  
ACCESSION NUMBER: 2003-01882 BIOTECHDS  
TITLE: New peptides related to **serine/threonine**  
protein kinase subfamily, useful for treating disorders  
associated with abnormal **expression** of kinase in  
**prostate**, lungs and **brain**, in drug  
screening assays and pharmacogenomic analysis;  
**recombinant** protein production and sense and  
antisense sequence use in gene therapy  
AUTHOR: BEASLEY E M; YE J; YAN C; KETCHUM K A; DI FRANCESCO V  
PATENT ASSIGNEE: PE CORP NY  
PATENT INFO: WO 2002059288 1 Aug 2002  
APPLICATION INFO: WO 2002-US930 15 Jan 2002  
PRIORITY INFO: US 2001-819607 29 Mar 2001; US 2001-263162 23 Jan 2001  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
OTHER SOURCE: WPI: 2002-599781 [64]

L12 ANSWER 7 OF 56 BIOTECHDS COPYRIGHT 2003 THOMSON DERWENT AND ISI  
ACCESSION NUMBER: 2002-17807 BIOTECHDS

TITLE: Nucleic acid molecules encoding calcium/calmodulin-dependent protein kinases, useful for preventing diagnosing and treating e.g. cancers, psoriasis and inflammation;  
 recombinant protein production by vector-mediated gene transfer and expression in host cell, useful for gene therapy  
 AUTHOR: YE J; YAN C; DI FRANCESCO V; BEASLEY E M  
 PATENT ASSIGNEE: PE CORP NY  
 PATENT INFO: US 6387677 14 May 2002  
 APPLICATION INFO: US 2001-800960 8 Mar 2001  
 PRIORITY INFO: US 2001-800960 8 Mar 2001  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 OTHER SOURCE: WPI: 2002-478444 [51]

L12 ANSWER 8 OF 56 BIOTECHDS COPYRIGHT 2003 THOMSON DERWENT AND ISI  
 ACCESSION NUMBER: 2002-12233 BIOTECHDS

TITLE: New recombinant, modified adenovirus vectors for regulating transgene expression in tumor cells, useful in gene therapy, particularly for treating cancers, e.g. cervical, lung, liver or breast;  
 adeno virus vector-mediated gene transfer and expression in cancer cell for recombinant protein production and cancer gene therapy  
 AUTHOR: LIEBER A; STEINWAERDER D S; CARLSON C A; MI J  
 PATENT ASSIGNEE: UNIV WASHINGTON  
 PATENT INFO: WO 2001083796 8 Nov 2001  
 APPLICATION INFO: WO 2000-US14428 3 May 2000  
 PRIORITY INFO: US 2000-202367 3 May 2000  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 OTHER SOURCE: WPI: 2002-240307 [29]

L12 ANSWER 9 OF 56 HCPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2003:409169 HCPLUS  
 DOCUMENT NUMBER: 138:380506  
 TITLE: Genes that are differentially expressed during erythropoiesis and their diagnostic and therapeutic uses  
 INVENTOR(S): Brissette, William H.; Neote, Kuldeep S.; Zagouras, Panayiotis; Zenke, Martin; Lemke, Britt; Hacker, Christine  
 PATENT ASSIGNEE(S): Pfizer Products Inc., USA; Max-Delbrück-Centre for Molecular Medicine  
 SOURCE: PCT Int. Appl., 285 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 2  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003038130	A2	20030508	WO 2002-XA34888	20021031
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG,			

CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL,  
PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR,  
NE, SN, TD, TG

WO 2003038130 A2 20030508 WO 2002-US34888 20021031

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,  
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,  
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,  
LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,  
PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ,  
UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU,  
TJ, TM  
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG,  
CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL,  
PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR,  
NE, SN, TD, TG

PRIORITY APPLN. INFO.: US 2001-335048P P 20011031  
US 2001-335183P P 20011102  
WO 2002-US34888 A 20021031

L12 ANSWER 10 OF 56 HCPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2003:305167 HCPLUS  
DOCUMENT NUMBER: 138:298879  
TITLE: Human 12.54-kDa **serine/threonine**  
protein kinase like protein and its cDNA and  
therapeutic use  
INVENTOR(S): Mao, Yumin; Xie, Yi  
PATENT ASSIGNEE(S): Bode Gene Development Co., Ltd., Shanghai, Peop. Rep.  
China  
SOURCE: Faming Zhuanli Shengqing Gongkai Shuomingshu, 34 pp.  
CODEN: CNXXEV  
DOCUMENT TYPE: Patent  
LANGUAGE: Chinese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
CN 1358851	A	20020717	CN 2000-127893	20001213
PRIORITY APPLN. INFO.:			CN 2000-127893	20001213

L12 ANSWER 11 OF 56 HCPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2003:221864 HCPLUS  
DOCUMENT NUMBER: 138:249732  
TITLE: Gene **expression** profiling for identification  
of disease genes for use in drug screening and therapy  
INVENTOR(S): Bristow, Michael R.; Minobe, Wayne A.; Lowes, Brian  
D.; Perryman, Benjamin M.  
PATENT ASSIGNEE(S): The Regents of the University of Colorado, USA  
SOURCE: PCT Int. Appl., 74 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003023066	A1	20030320	WO 2002-US28808	20020911
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,			

PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ,  
UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD,  
RU, TJ, TM  
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG,  
CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL,  
PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR,  
NE, SN, TD, TG

US 2003096782 A1 20030522 US 2002-241368 20020911

PRIORITY APPLN. INFO.: US 2001-318854P P 20010911

REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 12 OF 56 HCPLUS COPYRIGHT 2003 ACS  
ACCESSION NUMBER: 2003:97550 HCPLUS  
DOCUMENT NUMBER: 138:164674  
TITLE: Molecular markers for hepatocellular carcinoma and  
their use in diagnosis and therapy  
INVENTOR(S): Debuschewitz, Sabine; Jobst, Juergen; Kaiser, Stephan  
PATENT ASSIGNEE(S): Germany  
SOURCE: PCT Int. Appl., 98 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: German  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003010336	A2	20030206	WO 2002-EP8305	20020725
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				

DE 10136273 A1 20030213 DE 2001-10136273 20010725

PRIORITY APPLN. INFO.: DE 2001-10136273 A 20010725

L12 ANSWER 13 OF 56 HCPLUS COPYRIGHT 2003 ACS  
ACCESSION NUMBER: 2002:981604 HCPLUS  
TITLE: Identification of residues which regulate activity of  
the STE20-related kinase hMINK  
AUTHOR(S): Lim, Jaeseung; Lennard, Andrew; Sheppard, Paul W.;  
Kellie, Stuart  
CORPORATE SOURCE: Yamanouchi Research Institute, Oxford, OX4 4SX, UK  
SOURCE: Biochemical and Biophysical Research Communications  
(2003), 300(3), 694-698  
CODEN: BBRCA9; ISSN: 0006-291X  
PUBLISHER: Elsevier Science  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
REFERENCE COUNT: 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 14 OF 56 HCPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2002:941845 HCPLUS

DOCUMENT NUMBER: 138:21334

TITLE: Protein, gene and cDNA sequences of a novel human protein kinase related to **serine/threonine** kinase and their uses in drug screening  
 INVENTOR(S): Yan, Chunhua; Li, Zhenya; Neelam, Beena; Difrancesco, Valentina; Beasley, Ellen M.  
 PATENT ASSIGNEE(S): PE Corporation (Ny), USA  
 SOURCE: U.S., 107 pp.  
 CODEN: USXXAM  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6492156	B1	20021210	US 2001-984890	20011031
WO 2003038115	A2	20030508	WO 2002-US34869	20021031
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				

PRIORITY APPLN. INFO.: US 2001-984890 A 20011031  
 REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 15 OF 56 HCPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 2002:732013 HCPLUS  
 DOCUMENT NUMBER: 138:1084  
 TITLE: Human **serine/threonine** protein kinase-like protein, protein and cDNA sequences, recombinant production and therapeutic uses  
 INVENTOR(S): Mao, Yumin; Xie, Yi  
 PATENT ASSIGNEE(S): Shanghai Bode Gene Development Co., Ltd., Peop. Rep. China  
 SOURCE: Faming Zhanli Shengqing Gongkai Shuomingshu, 38 pp.  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Chinese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
CN 1329157	A	20020102	CN 2000-116663	20000621

PRIORITY APPLN. INFO.: CN 2000-116663 20000621  
 L12 ANSWER 16 OF 56 HCPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 2002:696559 HCPLUS  
 DOCUMENT NUMBER: 137:227754  
 TITLE: Protein, gene and cDNA sequences of a novel human kinase protein related to **serine/threonine** protein kinase and their uses in drug screening  
 INVENTOR(S): Ye, Jane; Yan, Chunhua; Di Francesco, Valentina;

PATENT ASSIGNEE(S): Beasley, Ellen M.  
 SOURCE: USA  
 U.S. Pat. Appl. Publ., 174 pp.  
 CODEN: USXXCO  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2002127683	A1	20020912	US 2001-801876	20010309
US 6492155	B2	20021210		
US 2003027307	A1	20030206	US 2002-254869	20020926
PRIORITY APPLN. INFO.:			US 2001-801876	A3 20010309

L12 ANSWER 17 OF 56 HCAPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 2002:575249 HCAPLUS  
 DOCUMENT NUMBER: 137:136141  
 TITLE: Human protein kinase, its cDNA and protein sequences, and use thereof  
 INVENTOR(S): Yu, Xuanchuan; Miranda, Maricar; Friddle, Carl Johan  
 PATENT ASSIGNEE(S): Lexicon Genetics Incorporated, USA  
 SOURCE: PCT Int. Appl., 50 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002059325	A2	20020801	WO 2001-US50497	20011220
WO 2002059325	A3	20030320		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
US 2002123622	A1	20020905	US 2001-28946	20011220
PRIORITY APPLN. INFO.:			US 2000-258335P	P 20001227

L12 ANSWER 18 OF 56 HCAPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 2002:488124 HCAPLUS  
 DOCUMENT NUMBER: 137:59517  
 TITLE: Human AURORA-1 and AURORA-2 kinases, cDNA and amino acid sequences, and recombinant production  
 INVENTOR(S): Plowman, Gregory; Mossie, Kevin  
 PATENT ASSIGNEE(S): USA  
 SOURCE: U.S. Pat. Appl. Publ., 43 pp., Cont.-in-part of U.S. Ser. No. 5,268, abandoned.  
 CODEN: USXXCO  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 4  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
------------	------	------	-----------------	------

US 2002081578	A1	20020627	US 1998-12135	19980122
CN 1205740	A	19990120	CN 1996-199101	19961125
US 5962312	A	19991005	US 1996-755728	19961125
CA 2318352	AA	19990729	CA 1999-2318352	19990121
WO 9937788	A2	19990729	WO 1999-US1283	19990121
WO 9937788	A3	19990930		
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
AU 9925605	A1	19990809	AU 1999-25605	19990121
EP 1051500	A2	20001115	EP 1999-905450	19990121
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
JP 2002508937	T2	20020326	JP 2000-528695	19990121
US 6207401	B1	20010327	US 1999-283011	19990331
PRIORITY APPLN. INFO.:				
US 1995-8809P P 19951218				
US 1996-23943P P 19960814				
US 1996-755728 A2 19961125				
US 1998-5268 B2 19980109				
US 1998-12135 A 19980122				
WO 1999-US1283 W 19990121				

L12 ANSWER 19 OF 56 HCPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 2002:404409 HCPLUS  
 DOCUMENT NUMBER: 137:152764  
 TITLE: Alternative splice variants of doublecortin-like kinase are differentially **expressed** and have different kinase activities  
 AUTHOR(S): Burgess, Harold A.; Reiner, Orly  
 CORPORATE SOURCE: Department of Molecular Genetics, Weizmann Institute of Science, Rehovot, 76100, Israel  
 SOURCE: Journal of Biological Chemistry (2002), 277(20), 17696-17705  
 PUBLISHER: American Society for Biochemistry and Molecular Biology  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 REFERENCE COUNT: 49 THERE ARE 49 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 20 OF 56 HCPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 2002:391912 HCPLUS  
 DOCUMENT NUMBER: 137:1836  
 TITLE: Measurement of DNA methylation for analysis of the toxicology of substances  
 INVENTOR(S): Olek, Alexander; Piepenbrock, Christian; Berlin, Kurt  
 PATENT ASSIGNEE(S): Epigenomics Ag, Germany  
 SOURCE: PCT Int. Appl., 113 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
------------	------	------	-----------------	------

WO 2002040710	A2	20020523	WO 2001-EP12951	20011108
WO 2002040710	A3	20030530		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
DE 10056802	A1	20020529	DE 2000-10056802	20001114
AU 2002023672	A5	20020527	AU 2002-23672	20011108
PRIORITY APPLN. INFO.:			DE 2000-10056802 A	20001114
			WO 2001-EP12951 W	20011108

L12 ANSWER 21 OF 56 HCPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 2002:293825 HCPLUS  
 DOCUMENT NUMBER: 136:321268  
 TITLE: Protein and cDNA sequences of **human kinase** sequence homologs  
 INVENTOR(S): Turner, C. Alexander, Jr.; Mathur, Brian  
 PATENT ASSIGNEE(S): Lexicon Genetics Incorporated, USA  
 SOURCE: PCT Int. Appl., 41 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002031129	A2	20020418	WO 2001-US32010	20011011
WO 2002031129	A3	20030206		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
AU 2002013183	A5	20020422	AU 2002-13183	20011011
US 2002128458	A1	20020912	US 2001-975326	20011011
US 6476210	B2	20021105		
US 2003023063	A1	20030130	US 2002-217357	20020809
PRIORITY APPLN. INFO.:			US 2000-239821P P	20001012
			US 2001-975326 A1	20011011
			WO 2001-US32010 W	20011011

L12 ANSWER 22 OF 56 HCPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 2002:177948 HCPLUS  
 DOCUMENT NUMBER: 137:74937  
 TITLE: Phosphorylation of a novel zinc-finger-like protein, ZPR9, by murine protein **serine/threonine** kinase 38 (MPK38)  
 AUTHOR(S): Seong, Hyun-A.; Gil, Minchan; Kim, Kyong-Tai; Kim, Sung-Jin; Ha, Hyunjung  
 CORPORATE SOURCE: Department of Biochemistry, School of Life Sciences, Research Center for Bioresource and Health, Chungbuk

SOURCE: National University, Chungbuk, 361-763, S. Korea  
 Biochemical Journal (2002), 361(3), 597-604  
 CODEN: BIJOAK; ISSN: 0264-6021  
 PUBLISHER: Portland Press Ltd.  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 REFERENCE COUNT: 31 THERE ARE 31 CITED REFERENCES AVAILABLE FOR THIS  
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 23 OF 56 HCPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 2002:72748 HCPLUS  
 DOCUMENT NUMBER: 136:146104  
 TITLE: Human stress genes identified using DNA microarrays  
 INVENTOR(S): Chenchik, Alex; Lukashev, Matvey E.  
 PATENT ASSIGNEE(S): Clontech, USA  
 SOURCE: U.S. Pat. Appl. Publ., 57 pp., Cont.-in-part of U.S.  
 Ser. No. 441,920.  
 CODEN: USXXCO  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2002009730	A1	20020124	US 2001-782909	20010213
PRIORITY APPLN. INFO.:			US 1998-222256	B2 19981228
			US 1999-440305	B2 19991117
			US 1999-441920	A2 19991117

L12 ANSWER 24 OF 56 HCPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 2001:868653 HCPLUS  
 DOCUMENT NUMBER: 136:15959  
 TITLE: Nucleic acid encoding a human **serine/threonine** protein kinase and its screening and therapeutic uses  
 INVENTOR(S): Wei, Ming-hHi; Zhu, Shiaoping; Woodage, Trevor; Di Francesco, Valentina; Beasley, Ellen M.  
 PATENT ASSIGNEE(S): Applera Corporation, USA  
 SOURCE: PCT Int. Appl., 66 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001090328	A2	20011129	WO 2001-US16760	20010524
WO 2001090328	A3	20020718		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
US 6482935	B1	20021119	US 2000-691861	20001018
EP 1290185	A2	20030312	EP 2001-937689	20010524
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,			

IE, SI, LT, LV, FI, RO, MK, CY, AL, TR  
 US 2003022232 A1 20030130 US 2002-259740 20020930  
 PRIORITY APPLN. INFO.: US 2000-206550P P 20000524  
 US 2000-691861 A 20001018  
 WO 2001-US16760 W 20010524

L12 ANSWER 25 OF 56 HCAPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 2001:851353 HCAPLUS  
 DOCUMENT NUMBER: 136:2248  
 TITLE: Human and mouse neuronal **serine-threonine** protein kinases and cDNAs and methods for diagnosis and treatment of neurological diseases and cancer  
 INVENTOR(S): Schneider, Armin; Klaussner, Bettina; Fischer, Achim; Newrzella, Dieter; Goetz, Bernhard; Rossner, Moritz; Eisenhardt, Gisela; Kuner, Rohini; Trutzel, Annette; Kammandel, Birgitta; Jomana, Naim Stephan; Schwaninger, Markus  
 PATENT ASSIGNEE(S): Basf-Lynx Bioscience A.-G., Germany  
 SOURCE: PCT Int. Appl., 75 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001088108	A1	20011122	WO 2001-EP5660	20010517
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
DE 10024171	A1	20011220	DE 2000-10024171	20000517
EP 1282700	A1	20030212	EP 2001-936370	20010517
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR			

PRIORITY APPLN. INFO.: DE 2000-10024171 A 20000517  
 DE 2001-EP5660 W 20010517  
 REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 26 OF 56 HCAPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 2001:763200 HCAPLUS  
 DOCUMENT NUMBER: 135:328144  
 TITLE: Novel human protein and cDNA sequences of kinases and its therapeutic use  
 INVENTOR(S): Plowman, Gregory; Whyte, David; Manning, Gerard; Sudarsanam, Sucha; Martinez, Ricardo; Caenepeel, Sean Sugden, Inc., USA  
 PATENT ASSIGNEE(S): PCT Int. Appl., 167 pp.  
 SOURCE: CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001077338	A2	20011018	WO 2001-US11675	20010410
WO 2001077338	A3	20020829		
W:	AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CO, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
EP 1278859	A2	20030129	EP 2001-924901	20010410
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR			
PRIORITY APPLN. INFO.:			US 2000-195953P	P 20000410
			US 2000-201015P	P 20000501
			US 2000-213805P	P 20000622
			WO 2001-US11675	W 20010410

L12 ANSWER 27 OF 56 HCPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 2001:711043 HCPLUS  
 DOCUMENT NUMBER: 136:275290  
 TITLE: WNK kinases, a novel protein kinase subfamily in multi-cellular organisms  
 AUTHOR(S): Verissimo, Fatima; Jordan, Peter  
 CORPORATE SOURCE: Centre for Human Genetics, National Institute of Health "Dr. Ricardo Jorge", Lisbon, 1649-016, Port.  
 SOURCE: Oncogene (2001), 20(39), 5562-5569  
 PUBLISHER: Nature Publishing Group  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 REFERENCE COUNT: 17 THERE ARE 17 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 28 OF 56 HCPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 2001:618177 HCPLUS  
 DOCUMENT NUMBER: 135:191337  
 TITLE: Protein and cDNA sequences of novel **human** kinase homologs and uses thereof in diagnosis, therapy and drug screening  
 INVENTOR(S): Walke, D. Wade; Hu, Yi; Nepomnichy, Boris; Turner, C. Alexander, Jr.; Zambrowicz, Brian  
 PATENT ASSIGNEE(S): Lexicon Genetics Incorporated, USA  
 SOURCE: PCT Int. Appl., 70 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001061016	A2	20010823	WO 2001-US5356	20010215
WO 2001061016	A3	20020207		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU,			

ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM  
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,  
 DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,  
 BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG  
 US 2002038011 A1 20020328 US 2001-783320 20010215  
 EP 1257652 A2 20021120 EP 2001-912839 20010215  
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,  
 IE, SI, LT, LV, FI, RO, MK, CY, AL, TR  
 PRIORITY APPLN. INFO.: US 2000-183582P P 20000218  
 US 2000-184014P P 20000222  
 WO 2001-US5356 W 20010215

L12 ANSWER 29 OF 56 HCPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 2001:397023 HCPLUS  
 DOCUMENT NUMBER: 135:30738  
 TITLE: Novel human protein kinases and protein kinase-like enzymes and their cDNA sequences  
 INVENTOR(S): Plowman, Gregory D.; Whyte, David; Manning, Gerard; Sudarsanam, Sucha; Martinez, Ricardo; Flanagan, Peter; Clary, Douglas  
 PATENT ASSIGNEE(S): Sugen, Inc., USA  
 SOURCE: PCT Int. Appl., 433 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001038503	A2	20010531	WO 2000-US32085	20001122
WO 2001038503	A3	20020131		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
EP 1240194	A2	20020918	EP 2000-982200	20001122
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
JP 2003514583	T2	20030422	JP 2001-540254	20001122
PRIORITY APPLN. INFO.:			US 1999-167482P	A1 19991124
			WO 2000-US32085	W 20001122

L12 ANSWER 30 OF 56 HCPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 2001:368058 HCPLUS  
 DOCUMENT NUMBER: 135:328609  
 TITLE: Novel type of signaling molecules: protein kinases covalently linked with ion channels  
 AUTHOR(S): Ryazanova, L. V.; Pavur, K. S.; Petrov, A. N.; Dorovkov, M. V.; Ryazanov, A. G.  
 CORPORATE SOURCE: Department of Pharmacology, Robert Wood Johnson Medical School, University of Medicine and Dentistry of New Jersey, Piscataway, NJ, 08854, USA  
 SOURCE: Molecular Biology (Moscow, Russian Federation, English Language) (Translation of Molekulyarnaya Biologiya) (2001), 35(2), 271-283  
 CODEN: MOLBBJ; ISSN: 0026-8933

PUBLISHER: MAIK Nauka/Interperiodica Publishing  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 REFERENCE COUNT: 44 THERE ARE 44 CITED REFERENCES AVAILABLE FOR THIS  
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 31 OF 56 HCPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 2000:756836 HCPLUS  
 DOCUMENT NUMBER: 133:318300  
 TITLE: Human homologs of Drosophila fused gene and protein  
 INVENTOR(S): Mosca, Monica; Isacchi, Antonella  
 PATENT ASSIGNEE(S): Pharmacia & Upjohn S.p.A, Italy  
 SOURCE: PCT Int. Appl., 64 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1.  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000063352	A2	20001026	WO 2000-EP2761	20000329
WO 2000063352	A3	20010201		
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
EP 1171580	A2	20020116	EP 2000-926771	20000329
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
JP 2002541837	T2	20021210	JP 2000-612431	20000329
PRIORITY APPLN. INFO.:			GB 1999-8798	A 19990416
			WO 2000-EP2761	W 20000329

L12 ANSWER 32 OF 56 HCPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 2000:756527 HCPLUS  
 DOCUMENT NUMBER: 133:325643  
 TITLE: Antifibrotic formulations containing inhibitors of cell-volume-regulated **human kinase**  
 h-sgk  
 INVENTOR(S): Lang, Florian; Waldegger, Siegfried; Wagner, Carsten; Broer, Stefan; Klingel, Karin  
 PATENT ASSIGNEE(S): Germany  
 SOURCE: PCT Int. Appl., 32 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000062781	A1	20001026	WO 2000-EP3578	20000419
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ,				

TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ,  
MD, RU, TJ, TM  
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE,  
DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF,  
CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG  
DE 19917990 A1 20001102 DE 1999-19917990 19990420  
BR 2000009914 A 20020108 BR 2000-9914 20000419  
EP 1171131 A1 20020116 EP 2000-922655 20000419  
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,  
IE, SI, LT, LV, FI, RO  
JP 2002542196 T2 20021210 JP 2000-611917 20000419  
NO 2001005054 A 20011214 NO 2001-5054 20011017  
PRIORITY APPLN. INFO.: DE 1999-19917990 A 19990420  
WO 2000-EP3578 W 20000419  
REFERENCE COUNT: 17 THERE ARE 17 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT  
  
L12 ANSWER 33 OF 56 HCAPLUS COPYRIGHT 2003 ACS  
ACCESSION NUMBER: 2000:668346 HCAPLUS  
DOCUMENT NUMBER: 134:14614  
TITLE: SPAK, a STE20/SPS1-related kinase that activates the  
p38 pathway  
AUTHOR(S): Johnston, Anne M.; Naselli, Gaetano; Gómez, L. Jorge;  
Martin, Roland M.; Harrison, Leonard C.; DeAizpurua,  
Henry J.  
CORPORATE SOURCE: Autoimmunity and Transplantation Division, The Walter  
and Eliza Hall Institute of Medical Research,  
Parkville, 3050, Australia  
SOURCE: Oncogene (2000), 19(37), 4290-4297  
CODEN: ONCNES; ISSN: 0950-9232  
PUBLISHER: Nature Publishing Group  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
REFERENCE COUNT: 36 THERE ARE 36 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 34 OF 56 HCAPLUS COPYRIGHT 2003 ACS  
ACCESSION NUMBER: 2000:341453 HCAPLUS  
DOCUMENT NUMBER: 133:131554  
TITLE: Characterization of PDZ-binding kinase, a mitotic  
kinase  
AUTHOR(S): Gaudet, Suzanne; Branton, Daniel; Lue, Robert A.  
CORPORATE SOURCE: Department of Molecular and Cellular Biology, Harvard  
University, Cambridge, MA, 02138, USA  
SOURCE: Proceedings of the National Academy of Sciences of the  
United States of America (2000), 97(10), 5167-5172  
CODEN: PNASA6; ISSN: 0027-8424  
PUBLISHER: National Academy of Sciences  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
REFERENCE COUNT: 32 THERE ARE 32 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 35 OF 56 HCAPLUS COPYRIGHT 2003 ACS  
ACCESSION NUMBER: 2000:129376 HCAPLUS  
DOCUMENT NUMBER: 132:290285  
TITLE: PSK, a novel STE20-like kinase derived from prostatic  
carcinoma that activates the c-Jun N-terminal kinase  
mitogen-activated protein kinase pathway and regulates  
actin cytoskeletal organization  
AUTHOR(S): Moore, Tanya M.; Garg, Ritu; Johnson, Caroline;  
Coptcoat, Malcolm J.; Ridley, Anne J.; Morris,

CORPORATE SOURCE: Jonathan D. H.  
Molecular Oncology Laboratory, Department of Academic  
Surgery, Rayne Institute, King's College School of  
Medicine and Dentistry, London, SE5 9NU, UK

SOURCE: Journal of Biological Chemistry (2000), 275(6),  
4311-4322  
CODEN: JBCHA3; ISSN: 0021-9258

PUBLISHER: American Society for Biochemistry and Molecular  
Biology

DOCUMENT TYPE: Journal

LANGUAGE: English

REFERENCE COUNT: 77 THERE ARE 77 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 36 OF 56 HCAPLUS COPYRIGHT 2003 ACS  
ACCESSION NUMBER: 1999:315403 HCAPLUS  
DOCUMENT NUMBER: 131:99243  
TITLE: Characterization of a novel type of **serine/threonine** kinase that specifically phosphorylates the human Goodpasture antigen  
Raya, Angel; Revert, Fernando; Navarro, Samuel; Saus, Juan

AUTHOR(S):

CORPORATE SOURCE: Fundacion Valenciana de Investigaciones Biomedicas, Instituto de Investigaciones Citológicas, Valencia, 46010, Spain

SOURCE: Journal of Biological Chemistry (1999), 274(18), 12642-12649  
CODEN: JBCHA3; ISSN: 0021-9258

PUBLISHER: American Society for Biochemistry and Molecular  
Biology

DOCUMENT TYPE: Journal

LANGUAGE: English

REFERENCE COUNT: 41 THERE ARE 41 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 37 OF 56 HCAPLUS COPYRIGHT 2003 ACS  
ACCESSION NUMBER: 1999:297827 HCAPLUS  
DOCUMENT NUMBER: 131:140207  
TITLE: Human Minibrain Homologue (MNBH/DYRK1): Characterization, Alternative Splicing, Differential Tissue **Expression**, and Overexpression in Down Syndrome  
Guimera, Jordi; Casas, Caty; Estivill, Xavier; Pritchard, Melanie

CORPORATE SOURCE: Medical and Molecular Genetics Center-IRO, Hospital Duran i Reynals, Barcelona, 08907, Spain

SOURCE: Genomics (1999), 57(3), 407-418  
CODEN: GNMCEP; ISSN: 0888-7543

PUBLISHER: Academic Press

DOCUMENT TYPE: Journal

LANGUAGE: English

REFERENCE COUNT: 32 THERE ARE 32 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 38 OF 56 HCAPLUS COPYRIGHT 2003 ACS  
ACCESSION NUMBER: 1999:42532 HCAPLUS  
DOCUMENT NUMBER: 130:106933  
TITLE: A human homolog of the rat serum glucocorticoid-regulated kinase and a cDNA encoding it  
Kumar, Sanjay; Zou, Cheng

INVENTOR(S): Smithkline Beecham Corporation, USA

PATENT ASSIGNEE(S):

SOURCE: Eur. Pat. Appl., 27 pp.

DOCUMENT TYPE: CODEN: EPXXDW  
LANGUAGE: Patent  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 889127	A1	19990107	EP 1998-304830	19980618
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
CA 2235785	AA	19990101	CA 1998-2235785	19980623
JP 11123086	A2	19990511	JP 1998-186223	19980701
US 2001027184	A1	20011004	US 2001-784249	20010215
PRIORITY APPLN. INFO.:			US 1997-51446P	P 19970701
			US 1997-997212	A 19971223
REFERENCE COUNT:	5	THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT		

L12 ANSWER 39 OF 56 HCAPLUS COPYRIGHT 2003 ACS  
ACCESSION NUMBER: 1998:513247 HCAPLUS  
DOCUMENT NUMBER: 129:240625  
TITLE: Human ULK1, a novel **serine/threonine** kinase related to UNC-51 kinase of *Caenorhabditis elegans*: cDNA **cloning, expression, and chromosomal assignment**  
AUTHOR(S): Kuroyanagi, Hidehito; Yan, Jin; Seki, Naohiko; Yamanouchi, Yasuko; Suzuki, Yo-ichi; Takano, Takako; Muramatsu, Masa-aki; Shirasawa, Takuji  
CORPORATE SOURCE: Department of Mol. Genetics, Tokyo Metropolitan Inst. of Gerontology, Tokyo, 173-0015, Japan  
SOURCE: Genomics (1998), 51(1), 76-85  
PUBLISHER: Academic Press  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
REFERENCE COUNT: 40 THERE ARE 40 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 40 OF 56 HCAPLUS COPYRIGHT 2003 ACS  
ACCESSION NUMBER: 1998:29361 HCAPLUS  
DOCUMENT NUMBER: 128:152647  
TITLE: Peutz-Jeghers syndrome is caused by mutations in a novel **serine threonine** kinase  
AUTHOR(S): Jenne, Dieter E.; Reimann, Heike; Nezu, Jun-ichi; Friedel, Waltraut; Loff, Steffan; Jeschke, Reinhard; Muller, Oliver; Back, Walter; Zimmer, Michael  
CORPORATE SOURCE: Dep. Neuroimmunol., Max-Planck-Inst. Psychiatry, Martinsried, 82152, Germany  
SOURCE: Nature Genetics (1998), 18(1), 38-43  
PUBLISHER: Nature America  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
REFERENCE COUNT: 19 THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 41 OF 56 HCAPLUS COPYRIGHT 2003 ACS  
ACCESSION NUMBER: 1997:705075 HCAPLUS  
DOCUMENT NUMBER: 128:10745  
TITLE: **Cloning** and partial sequencing of a novel human activin receptor-like kinase

AUTHOR(S): Ohno, Tsukasa; Imai, Atsushi; Takagi, Atsushi; Horibe, Shinji; Takagi, Hiroshi; Tamaya, Teruhiko  
CORPORATE SOURCE: Department of Obstetrics and Gynecology, Gifu University School of Medicine, Tsukasamachi, 500, Japan  
SOURCE: Oncology Reports (1997), 4(6), 1349-1351  
PUBLISHER: CODEN: OCRPEW; ISSN: 1021-335X  
DOCUMENT TYPE: Oncology Reports  
LANGUAGE: Journal English

L12 ANSWER 42 OF 56 HCAPLUS COPYRIGHT 2003 ACS  
ACCESSION NUMBER: 1997:702583 HCAPLUS  
DOCUMENT NUMBER: 128:44418  
TITLE: Identification of two novel human putative **serine/threonine** kinases, VRK1 and VRK2, with structural similarity to vaccinia virus B1R kinase  
AUTHOR(S): Nezu, Jun-ichi; Oku, Asuka; Jones, Michael H.; Shimane, Miyuki  
CORPORATE SOURCE: Gene Search Program, Chugai Res. Inst. Mol. Med., Niihari, 300-41, Japan  
SOURCE: Genomics (1997), 45(2), 327-331  
PUBLISHER: CODEN: GNMCEP; ISSN: 0888-7543  
DOCUMENT TYPE: Academic  
LANGUAGE: Journal English

L12 ANSWER 43 OF 56 HCAPLUS COPYRIGHT 2003 ACS  
ACCESSION NUMBER: 1997:316553 HCAPLUS  
DOCUMENT NUMBER: 127:1463  
TITLE: Human SAK related to the PLK/polo family of cell cycle kinases shows high mRNA **expression** in **testis**  
AUTHOR(S): Karn, Thomas; Holtrich, Uwe; Wolf, Georg; Hock, Bjoern; Strehhardt, Klaus; Ruebsamen-Waigmann, Helga  
CORPORATE SOURCE: Chemotherapeutisches Forschungsinstitut, Frankfurt, 60596, Germany  
SOURCE: Oncology Reports (1997), 4(3), 505-510  
PUBLISHER: CODEN: OCRPEW; ISSN: 1021-335X  
DOCUMENT TYPE: Oncology Reports  
LANGUAGE: Journal English

L12 ANSWER 44 OF 56 HCAPLUS COPYRIGHT 2003 ACS  
ACCESSION NUMBER: 1996:558103 HCAPLUS  
DOCUMENT NUMBER: 125:239716  
TITLE: A human homolog of Drosophila minibrain (MNB) is **expressed** in the neuronal regions affected in Down syndrome and maps to the critical region  
AUTHOR(S): Guimera, Jordi; Casas, Caty; Pucharcos, Carles; Solans, Asun; Domenech, Anna; Planas, Anna M.; Ashley, Jennifer; Lovett, Michael; Estivill, Xavier; Pritchard, Melanie A.  
CORPORATE SOURCE: Mol. Genetics Dep., Cancer Res. Inst., Barcelona, 08907, Spain  
SOURCE: Human Molecular Genetics (1996), 5(9), 1305-1310  
PUBLISHER: CODEN: HMGEE5; ISSN: 0964-6906  
DOCUMENT TYPE: Oxford University Press  
LANGUAGE: Journal English

L12 ANSWER 45 OF 56 HCAPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 1996:498524 HCAPLUS  
 DOCUMENT NUMBER: 125:215535  
 TITLE: prk, A cytokine-inducible human protein **serine**  
**/threonine** kinase whose **expression**  
 appears to be down-regulated in lung carcinomas  
 Li, Bo; Ouyang, Bin; Pan, Huiqi; Reissmann, Peter T.;  
 Slamon, Dennis J.; Arceci, Robert; Lu, Luo; Dai, Wei  
 Div. Hematol. Oncol., Univ. Cincinnati Coll. Med.,  
 Cincinnati, OH, 45267, USA  
 SOURCE: Journal of Biological Chemistry (1996), 271(32),  
 19402-19408  
 CODEN: JBCHA3; ISSN: 0021-9258  
 PUBLISHER: American Society for Biochemistry and Molecular  
 Biology  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English

L12 ANSWER 46 OF 56 HCAPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 1996:366094 HCAPLUS  
 DOCUMENT NUMBER: 125:80511  
 TITLE: Human p21 protein-activated protein **serine**  
 kinase p65 (PAK65) and a cDNA encoding it and its  
 therapeutic applications  
 INVENTOR(S): Abo, Arie; Martin, George A.  
 PATENT ASSIGNEE(S): Onyx Pharmaceuticals, Inc., USA  
 SOURCE: U.S., 42 pp.  
 CODEN: USXXAM  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5518911	A	19960521	US 1995-369780	19950106
US 5605825	A	19970225	US 1995-475682	19950607
CA 2209426	AA	19960711	CA 1996-2209426	19960105
WO 9620948	A1	19960711	WO 1996-US487	19960105
W: AU, CA, JP				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
AU 9647560	A1	19960724	AU 1996-47560	19960105
AU 702308	B2	19990218		
EP 802921	A1	19971029	EP 1996-903482	19960105
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE				
JP 10512143	T2	19981124	JP 1996-521283	19960105
US 5698445	A	19971216	US 1996-636036	19960422
US 5698428	A	19971216	US 1997-780833	19970110
US 6013464	A	20000111	US 1997-918509	19970822
US 6048706	A	20000411	US 1998-108262	19980701
PRIORITY APPLN. INFO.:			US 1995-369780	19950106
			US 1995-475682	19950607
			WO 1996-US487	19960105
			US 1997-780833	19970110
			US 1997-918509	19970822

L12 ANSWER 47 OF 56 HCAPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 1996:312447 HCAPLUS  
 DOCUMENT NUMBER: 125:27254  
 TITLE: Cloning and characterization of GRB14, a  
 novel member of the GRB7 gene family  
 AUTHOR(S): Daly, Roger J.; Sanderson, Georgina M.; Janes, Peter

CORPORATE SOURCE: W.; Sutherland, Robert L.  
Cancer Biol. Div., Garvan Inst. Med. Res., New South Wales, 2010, Australia  
SOURCE: Journal of Biological Chemistry (1996), 271(21), 12502-12510  
PUBLISHER: CODEN: JBCCHA3; ISSN: 0021-9258  
American Society for Biochemistry and Molecular Biology  
DOCUMENT TYPE: Journal  
LANGUAGE: English

L12 ANSWER 48 OF 56 HCPLUS COPYRIGHT 2003 ACS  
ACCESSION NUMBER: 1996:117590 HCPLUS  
DOCUMENT NUMBER: 124:224537  
TITLE: 3pK, a new mitogen-activated protein kinase-activated protein kinase located in the small cell lung cancer tumor suppressor gene region  
AUTHOR(S): Sithanandam, Gunamani; Latif, Farida; Duh, Fuh-Mei; Bernal, Ricardo; Smola, Ute; Li, Hua; Kuzmin, Igor; Wixler, Viktor; Geil, Laura; et al.  
CORPORATE SOURCE: Biological Carcinogenesis Development Program, PRI/DynCorp, Frederick, MD, 21702-1201, USA  
SOURCE: Molecular and Cellular Biology (1996), 16(3), 868-76  
PUBLISHER: CODEN: MCEBD4; ISSN: 0270-7306  
American Society for Microbiology  
DOCUMENT TYPE: Journal  
LANGUAGE: English

L12 ANSWER 49 OF 56 HCPLUS COPYRIGHT 2003 ACS  
ACCESSION NUMBER: 1995:727998 HCPLUS  
DOCUMENT NUMBER: 123:277512  
TITLE: A human homolog of the Drosophila tumor suppressor gene 1(2)gl maps to 17p11.2-12 and codes for a cytoskeletal protein that associates with nonmuscle myosin II heavy chain  
AUTHOR(S): Strand, Dennis; Unger, Sylvia; Corvi, Raffaella; Hartenstein, Kirsten; Schenkel, Heide; Kalmes, Andreas; Merdes, Gunter; Neumann, Beate; Krieg-Schneider, Frank  
CORPORATE SOURCE: Dep. of Developmental Genetics, Deutsches Krebsforschungszentrum, Heidelberg, D-69120, Germany  
SOURCE: Oncogene (1995), 11(2), 291-301  
PUBLISHER: CODEN: ONCNES; ISSN: 0950-9232  
Macmillan Scientific & Medical Division  
DOCUMENT TYPE: Journal  
LANGUAGE: English

L12 ANSWER 50 OF 56 HCPLUS COPYRIGHT 2003 ACS  
ACCESSION NUMBER: 1995:613945 HCPLUS  
DOCUMENT NUMBER: 123:50541  
TITLE: Characterization of myotonic dystrophy kinase (DMK) protein in human and rodent muscle and central nervous tissue  
AUTHOR(S): Whiting, Elisabeth J.; Waring, James D.; Tamai, Katsuyuki; Somerville, Martin J.; Hincke, Maxwell; Staines, William A.; Ikeda, Joh-E.; Korneluk, Robert G.  
CORPORATE SOURCE: Dep. Microbiol. Immunol., Univ. Ottawa, Ottawa, ON, Can.  
SOURCE: Human Molecular Genetics (1995), 4(6), 1063-72  
PUBLISHER: CODEN: HMGEE5; ISSN: 0964-6906  
Oxford University Press

DOCUMENT TYPE: Journal  
LANGUAGE: English

L12 ANSWER 51 OF 56 HCAPLUS COPYRIGHT 2003 ACS  
ACCESSION NUMBER: 1994:695669 HCAPLUS  
DOCUMENT NUMBER: 121:295669  
TITLE: Identification and characterization of DBK, a novel putative **serine/threonine** protein kinase from human endothelial cells  
AUTHOR(S): Chu, Wei; Presky, David H.; Danho, Waleed; Swerlick, Robert A.; Burns, Daniel K.  
CORPORATE SOURCE: Dep. Inflammation/Autoimmune Diseases, Hoffman-La Roche Inc., Nutley, NJ, USA  
SOURCE: European Journal of Biochemistry (1994), 225(2), 695-72  
DOCUMENT TYPE: Journal  
LANGUAGE: English

L12 ANSWER 52 OF 56 HCAPLUS COPYRIGHT 2003 ACS  
ACCESSION NUMBER: 1994:674996 HCAPLUS  
DOCUMENT NUMBER: 121:274996  
TITLE: A novel dual specificity phosphatase induced by serum stimulation and heat shock  
AUTHOR(S): Ishibashi, Toshio; Boattaro, Donald P.; Michieli, Paolo; Kelley, Christine A.; Aaronson, Stuart A.  
CORPORATE SOURCE: NCI, National Inst. Health, Bethesda, MD, 20892, USA  
SOURCE: Journal of Biological Chemistry (1994), 269(47), 29897-902  
PUBLISHER: American Society for Biochemistry and Molecular Biology  
DOCUMENT TYPE: Journal  
LANGUAGE: English

L12 ANSWER 53 OF 56 HCAPLUS COPYRIGHT 2003 ACS  
ACCESSION NUMBER: 1994:573842 HCAPLUS  
DOCUMENT NUMBER: 121:173842  
TITLE: Cloning of a novel putative protein kinase having a leucine zipper domain from human **brain**  
AUTHOR(S): Reddy, Usha R.; Pleasure, David  
CORPORATE SOURCE: Neurology Research, Children's Hosp. of Philadelphia, Philadelphia, PA, 19104, USA  
SOURCE: Biochemical and Biophysical Research Communications (1994), 202(1), 613-20  
DOCUMENT TYPE: Journal  
LANGUAGE: English

L12 ANSWER 54 OF 56 HCAPLUS COPYRIGHT 2003 ACS  
ACCESSION NUMBER: 1994:552099 HCAPLUS  
DOCUMENT NUMBER: 121:152099  
TITLE: Two novel human **serine/threonine** kinases with homologies to the cell cycle regulating Xenopus M015, and NIMA kinases: cloning and characterization of their **expression** pattern  
AUTHOR(S): Levedakou, Eleni N.; He, Mei; Baptist, Edward W.; Craven, Rolf J.; Cance, William G.; Welcsh, Piri L.; Simmins, Andrew; Naylor, Susan L.; Leach, Robin J.; et al.  
CORPORATE SOURCE: Lineberger Comprehensive Cancer Center, University

SOURCE: North Carolina, Chapel Hill, NC, 27599, USA  
Oncogene (1994), 9(7), 1977-88  
CODEN: ONCNES; ISSN: 0950-9232

DOCUMENT TYPE: Journal  
LANGUAGE: English

L12 ANSWER 55 OF 56 HCAPLUS COPYRIGHT 2003 ACS  
ACCESSION NUMBER: 1994:477177 HCAPLUS  
DOCUMENT NUMBER: 121:77177  
TITLE: Differential **expression** of a novel protein kinase in human B lymphocytes. Preferential localization in the germinal center  
AUTHOR(S): Katz, Paul; Wahlen, Gail; Kehrl, John H.  
CORPORATE SOURCE: Lab. Immunoregul., Natl. Inst. Health, Bethesda, MD, 20892, USA  
SOURCE: Journal of Biological Chemistry (1994), 269(24), 16802-9  
DOCUMENT TYPE: Journal  
LANGUAGE: English

L12 ANSWER 56 OF 56 HCAPLUS COPYRIGHT 2003 ACS  
ACCESSION NUMBER: 1994:318218 HCAPLUS  
DOCUMENT NUMBER: 120:318218  
TITLE: Induction and down-regulation of PLK, a human **serine/threonine** kinase  
AUTHOR(S): expressed in proliferating cells and tumors  
Holtrich, Uwe; Wolf, Georg; Braeuninger, Andreas; Karn, Thomas; Boehme, Beatrix; Ruebsamen-Waigmann, Helga; Strebhardt, Klaus  
CORPORATE SOURCE: Chermotherapeutisches Forschungsinstit., Georg-Speyer-Haus, Frankfurt, 60596, Germany  
SOURCE: Proceedings of the National Academy of Sciences of the United States of America (1994), 91(5), 1736-40  
DOCUMENT TYPE: Journal  
LANGUAGE: English

=> e donoho g/au  
E1 8 DONOHO DAVID L/AU  
E2 1 DONOHO DAVID W/AU  
E3 62 --> DONOHO G/AU  
E4 1 DONOHO G A/AU  
E5 5 DONOHO G P/AU  
E6 16 DONOHO GREG/AU  
E7 1 DONOHO GREG A/AU  
E8 1 DONOHO GREG P/AU  
E9 46 DONOHO GREGORY/AU  
E10 1 DONOHO GREGORY PAUL/AU  
E11 1 DONOHO H R/AU  
E12 1 DONOHO H S/AU

=> s e3  
L13 62 "DONOHO G"/AU

=> s e3-e9  
L14 132 ("DONOHO G"/AU OR "DONOHO G A"/AU OR "DONOHO G P"/AU OR "DONOHO GREG"/AU OR "DONOHO GREG A"/AU OR "DONOHO GREG P"/AU OR "DONOHO GREGORY"/AU)

=> e hilbun e/au

E1 1 HILBUN B/AU  
E2 12 HILBUN B M/AU  
E3 22 --> HILBUN E/AU  
E4 32 HILBUN ERIN/AU  
E5 5 HILBUN G R/AU  
E6 4 HILBUN L R/AU  
E7 6 HILBUN LAYLA R/AU  
E8 2 HILBUN N/AU  
E9 1 HILBUN S/AU  
E10 3 HILBUN W B/AU  
E11 2 HILBUN W M/AU  
E12 1 HILBUN WILLIAM MARVIN/AU

=> s e3-e4  
L15 54 ("HILBUN E"/AU OR "HILBUN ERIN"/AU)

=> e turner c a/au

E1 1200 TURNER C/AU  
E2 1 TURNER C \*/AU  
E3 128 --> TURNER C A/AU  
E4 3 TURNER C A JR/AU  
E5 1 TURNER C A L/AU  
E6 5 TURNER C A P/AU  
E7 1 TURNER C ALEX/AU  
E8 8 TURNER C ALEXANDER/AU  
E9 95 TURNER C ALEXANDER JR/AU  
E10 82 TURNER C B/AU  
E11 19 TURNER C C/AU  
E12 124 TURNER C D/AU

=> s e3-e9  
L16 241 ("TURNER C A"/AU OR "TURNER C A JR"/AU OR "TURNER C A L"/AU OR  
"TURNER C A P"/AU OR "TURNER C ALEX"/AU OR "TURNER C ALEXANDER"/  
AU OR "TURNER C ALEXANDER JR"/AU)

=> e friedrich g/au

E1 2 FRIEDRICH FRITZ/AU  
E2 1 FRIEDRICH FRNCES J/AU  
E3 830 --> FRIEDRICH G/AU  
E4 36 FRIEDRICH G A/AU  
E5 1 FRIEDRICH G ANNE/AU  
E6 3 FRIEDRICH G B/AU  
E7 4 FRIEDRICH G E/AU  
E8 19 FRIEDRICH G H/AU  
E9 11 FRIEDRICH G H W/AU  
E10 36 FRIEDRICH G J/AU  
E11 1 FRIEDRICH G K/AU  
E12 1 FRIEDRICH G L/AU

=> s e3  
L17 830 "FRIEDRICH G"/AU

=> e zambrowicz b/au

E1 1 ZAMBROWIC B P/AU  
E2 1 ZAMBROWICA E B/AU  
E3 75 --> ZAMBROWICZ B/AU  
E4 4 ZAMBROWICZ B E/AU  
E5 59 ZAMBROWICZ B P/AU  
E6 1 ZAMBROWICZ BRAIN P/AU  
E7 88 ZAMBROWICZ BRIAN/AU  
E8 32 ZAMBROWICZ BRIAN P/AU  
E9 1 ZAMBROWICZ BRIAN PETER/AU

E10 1 ZAMBROWICZ BRYGIDA E/AU  
E11 2 ZAMBROWICZ E/AU  
E12 11 ZAMBROWICZ E B/AU

=> s e3  
L18 75 "ZAMBROWICZ B"/AU

=> s e3-e9  
L19 260 ("ZAMBROWICZ B"/AU OR "ZAMBROWICZ B E"/AU OR "ZAMBROWICZ B P"/AU  
OR "ZAMBROWICZ BRAIN P"/AU OR "ZAMBROWICZ BRIAN"/AU OR "ZAMBROW  
ICZ BRIAN P"/AU OR "ZAMBROWICZ BRIAN PETER"/AU)

=> e sands a t/au  
E1 23 SANDS A M/AU  
E2 6 SANDS A R/AU  
E3 120 --> SANDS A T/AU  
E4 1 SANDS A W/AU  
E5 1 SANDS ALAN R/AU  
E6 1 SANDS ALICIA/AU  
E7 1 SANDS ALLAN R/AU  
E8 1 SANDS AMY/AU  
E9 2 SANDS AMY M/AU  
E10 2 SANDS ANDREW/AU  
E11 1 SANDS ANITA J/AU  
E12 11 SANDS ARTHUR/AU

=> s e3  
L20 120 "SANDS A T"/AU

=> d his

(FILE 'HOME' ENTERED AT 08:54:44 ON 01 JUL 2003)

FILE 'MEDLINE, EMBASE, BIOSIS, BIOTECHDS, SCISEARCH, HCAPLUS, NTIS,  
LIFESCI' ENTERED AT 08:55:32 ON 01 JUL 2003

L1 1090522 S KINASE?  
L2 1344 S HUMAN (A) L1  
L3 6013004 S CLON? OR EXPRESS? OR RECOMBINANT  
L4 895 S L2 AND L3  
L5 3305135 S BRAIN OR CEREBELUM OR PROSTATE OR TESTIS OR ADRENAL  
L6 3654948 S THYROID OR PANCREAS OR HEART OR SALIVARY OR STOMACH  
L7 209 S L4 AND L5  
L8 105 S L4 AND L6  
L9 249 S L7 OR L8  
L10 202 DUP REM L9 (47 DUPLICATES REMOVED)  
L11 374311 S SERINE OR THREONINE  
L12 56 S L10 AND L11  
E DONOHO G/AU  
L13 62 S E3  
L14 132 S E3-E9  
E HILBUN E/AU  
L15 54 S E3-E4  
E TURNER C A/AU  
L16 241 S E3-E9  
E FRIEDRICH G/AU  
L17 830 S E3  
E ZAMBROWICZ B/AU  
L18 75 S E3  
L19 260 S E3-E9  
E SANDS A T/AU  
L20 120 S E3

=> s 112 or 114 or 115 or 116 or 117 or 118 or 120  
L21 1293 L12 OR L14 OR L15 OR L16 OR L17 OR L18 OR L20

=> s 112 and 121  
L22 56 L12 AND L21

=> dup rem 122  
PROCESSING COMPLETED FOR L22  
L23 56 DUP REM L22 (0 DUPLICATES REMOVED)

=> s 110 and 121  
L24 58 L10 AND L21

=> d 1-58 ibib

L24 ANSWER 1 OF 58 MEDLINE  
ACCESSION NUMBER: 2002359354 MEDLINE  
DOCUMENT NUMBER: 22097604 PubMed ID: 12103360  
TITLE: The identification and subcellular localization of human MRK.  
AUTHOR: Yang Tao; Jiang Yunai; Chen Jiangye  
CORPORATE SOURCE: State Key Laboratory of Molecular Biology, Institute of Biochemistry and Cell Biology, Shanghai Institutes for Biological Sciences, Chinese Academy of Sciences, China.  
SOURCE: BIOMOLECULAR ENGINEERING, (2002 Jun) 19 (1) 1-4.  
Journal code: 100928062. ISSN: 1389-0344.  
PUB. COUNTRY: Netherlands  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 200212  
ENTRY DATE: Entered STN: 20020710  
Last Updated on STN: 20021228  
Entered Medline: 20021227

L24 ANSWER 2 OF 58 MEDLINE  
ACCESSION NUMBER: 2000483169 MEDLINE  
DOCUMENT NUMBER: 20445994 PubMed ID: 10990492  
TITLE: Isolation and **expression** of PASK, a **serine/threonine** kinase, during rat embryonic development, with special emphasis on the **pancreas**.  
AUTHOR: Miao N; Fung B; Sanchez R; Lydon J; Barker D; Pang K  
CORPORATE SOURCE: Ontogeny, Inc., Cambridge, Massachusetts 02138-1118, USA.  
SOURCE: JOURNAL OF HISTOCHEMISTRY AND CYTOCHEMISTRY, (2000 Oct) 48 (10) 1391-400.  
Journal code: 9815334. ISSN: 0022-1554.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 200010  
ENTRY DATE: Entered STN: 20001019  
Last Updated on STN: 20020420  
Entered Medline: 20001010

L24 ANSWER 3 OF 58 MEDLINE  
ACCESSION NUMBER: 92348472 MEDLINE  
DOCUMENT NUMBER: 92348472 PubMed ID: 1639825  
TITLE: **Expression** of TTK, a novel human protein kinase, is associated with cell proliferation.  
AUTHOR: Mills G B; Schmandt R; McGill M; Amendola A; Hill M; Jacobs

CORPORATE SOURCE: K; May C; Rodricks A M; Campbell S; Hogg D  
Oncology Research, Toronto General Hospital, Ontario,  
Canada.  
SOURCE: JOURNAL OF BIOLOGICAL CHEMISTRY, (1992 Aug 5) 267 (22)  
16000-6.  
Journal code: 2985121R. ISSN: 0021-9258.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
OTHER SOURCE: GENBANK-M86699; GENBANK-M94136; GENBANK-M94137;  
GENBANK-M94138; GENBANK-M94139; GENBANK-M94140;  
GENBANK-M94141; GENBANK-M94142; GENBANK-M94143;  
GENBANK-M94144  
ENTRY MONTH: 199208  
ENTRY DATE: Entered STN: 19920911  
Last Updated on STN: 19920911  
Entered Medline: 19920828

L24 ANSWER 4 OF 58 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.  
ACCESSION NUMBER: 2002:74113 BIOSIS  
DOCUMENT NUMBER: PREV200200074113  
TITLE: Cell volume-regulated **human kinase**  
h-sgk.  
AUTHOR(S): Lang, Florian (1); Waldegger, Siegfried  
CORPORATE SOURCE: (1) Im Rotbad 52, 72076 Tubingen Germany  
PATENT INFORMATION: US 6326181 December 04, 2001  
SOURCE: Official Gazette of the United States Patent and Trademark  
Office Patents; (Dec. 4, 2001) Vol. 1253, No. 1, pp. No  
Pagination. <ftp://ftp.uspto.gov/pub/patdata/>. e-file.  
ISSN: 0098-1133.  
DOCUMENT TYPE: Patent  
LANGUAGE: English

L24 ANSWER 5 OF 58 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.  
ACCESSION NUMBER: 2000:266075 BIOSIS  
DOCUMENT NUMBER: PREV200000266075  
TITLE: Characterization of hPRP4 kinase activation: Potential role  
in signaling.  
AUTHOR(S): Huang, Yong (1); Deng, Tiliang; Winston, Brent W. (1)  
CORPORATE SOURCE: (1) Department of Medicine, University of Calgary, Calgary,  
Alberta, T2N 4N1 Canada  
SOURCE: Biochemical and Biophysical Research Communications, (May  
10, 2000) Vol. 271, No. 2, pp. 456-463. print..  
ISSN: 0006-291X.  
DOCUMENT TYPE: Article  
LANGUAGE: English  
SUMMARY LANGUAGE: English

L24 ANSWER 6 OF 58 BIOTECHDS COPYRIGHT 2003 THOMSON DERWENT AND ISI  
ACCESSION NUMBER: 2003-01882 BIOTECHDS  
TITLE: New peptides related to **serine/threonine**  
protein kinase subfamily, useful for treating disorders  
associated with abnormal **expression** of kinase in  
**prostate**, lungs and **brain**, in drug  
screening assays and pharmacogenomic analysis;  
recombinant protein production and sense and  
antisense sequence use in gene therapy  
AUTHOR: BEASLEY E M; YE J; YAN C; KETCHUM K A; DI FRANCESCO V  
PATENT ASSIGNEE: PE CORP NY  
PATENT INFO: WO 2002059288. 1 Aug 2002  
APPLICATION INFO: WO 2002-US930 15 Jan 2002

PRIORITY INFO: US 2001-819607 29 Mar 2001; US 2001-263162 23 Jan 2001  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
OTHER SOURCE: WPI: 2002-599781 [64]

L24 ANSWER 7 OF 58 BIOTECHDS COPYRIGHT 2003 THOMSON DERWENT AND ISI  
ACCESSION NUMBER: 2002-17807 BIOTECHDS  
TITLE: Nucleic acid molecules encoding calcium/calmodulin-dependent protein kinases, useful for preventing diagnosing and treating e.g. cancers, psoriasis and inflammation; recombinant protein production by vector-mediated gene transfer and expression in host cell, useful for gene therapy  
AUTHOR: YE J; YAN C; DI FRANCESCO V; BEASLEY E M  
PATENT ASSIGNEE: PE CORP NY  
PATENT INFO: US 6387677 14 May 2002  
APPLICATION INFO: US 2001-800960 8 Mar 2001  
PRIORITY INFO: US 2001-800960 8 Mar 2001  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
OTHER SOURCE: WPI: 2002-478444 [51]

L24 ANSWER 8 OF 58 BIOTECHDS COPYRIGHT 2003 THOMSON DERWENT AND ISI  
ACCESSION NUMBER: 2002-12233 BIOTECHDS  
TITLE: New recombinant, modified adenovirus vectors for regulating transgene expression in tumor cells, useful in gene therapy, particularly for treating cancers, e.g. cervical, lung, liver or breast; adeno virus vector-mediated gene transfer and expression in cancer cell for recombinant protein production and cancer gene therapy  
AUTHOR: LIEBER A; STEINWAERDER D S; CARLSON C A; MI J  
PATENT ASSIGNEE: UNIV WASHINGTON  
PATENT INFO: WO 2001083796 8 Nov 2001  
APPLICATION INFO: WO 2000-US14428 3 May 2000  
PRIORITY INFO: US 2000-202367 3 May 2000  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
OTHER SOURCE: WPI: 2002-240307 [29]

L24 ANSWER 9 OF 58 HCAPLUS COPYRIGHT 2003 ACS  
ACCESSION NUMBER: 2003:409169 HCAPLUS  
DOCUMENT NUMBER: 138:380506  
TITLE: Genes that are differentially expressed during erythropoiesis and their diagnostic and therapeutic uses  
INVENTOR(S): Brissette, William H.; Neote, Kuldeep S.; Zagouras, Panayiotis; Zenke, Martin; Lemke, Britt; Hacker, Christine  
PATENT ASSIGNEE(S): Pfizer Products Inc., USA; Max-Delbrück-Centre for Molecular Medicine  
SOURCE: PCT Int. Appl., 285 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 2  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003038130	A2	20030508	WO 2002-XA34888	20021031
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,				

CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,  
 GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,  
 LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,  
 PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ,  
 UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU,  
 TJ, TM  
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG,  
 CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL,  
 PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR,  
 NE, SN, TD, TG  
 WO 2003038130 A2 20030508 WO 2002-US34888 20021031  
 W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,  
 CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,  
 GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,  
 LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,  
 PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ,  
 UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU,  
 TJ, TM  
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG,  
 CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL,  
 PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR,  
 NE, SN, TD, TG  
 PRIORITY APPLN. INFO.: US 2001-335048P P 20011031  
 US 2001-335183P P 20011102  
 WO 2002-US34888 A 20021031

L24 ANSWER 10 OF 58 HCPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 2003:305167 HCPLUS  
 DOCUMENT NUMBER: 138:298879  
 TITLE: Human 12.54-kDa **serine/threonine**  
 protein kinase like protein and its cDNA and  
 therapeutic use  
 INVENTOR(S): Mao, Yumin; Xie, Yi  
 PATENT ASSIGNEE(S): Bode Gene Development Co., Ltd., Shanghai, Peop. Rep.  
 China  
 SOURCE: Faming Zhanli Shengqing Gongkai Shuomingshu, 34 pp.  
 CODEN: CNXXEV  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Chinese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
CN 1358851	A	20020717	CN 2000-127893	20001213
PRIORITY APPLN. INFO.:			CN 2000-127893	20001213

L24 ANSWER 11 OF 58 HCPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 2003:221864 HCPLUS  
 DOCUMENT NUMBER: 138:249732  
 TITLE: Gene **expression** profiling for identification  
 of disease genes for use in drug screening and therapy  
 INVENTOR(S): Bristow, Michael R.; Minobe, Wayne A.; Lowes, Brian  
 D.; Perryman, Benjamin M.  
 PATENT ASSIGNEE(S): The Regents of the University of Colorado, USA  
 SOURCE: PCT Int. Appl., 74 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE		
WO 2003023066	A1	20030320	WO 2002-US28808	20020911		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG	US 2003096782	A1	20030522	US 2002-241368	20020911
PRIORITY APPLN. INFO.:			US 2001-318854P P 20010911			
REFERENCE COUNT: 6			THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT			

L24 ANSWER 12 OF 58 HCAPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 2003:97550 HCAPLUS  
 DOCUMENT NUMBER: 138:164674  
 TITLE: Molecular markers for hepatocellular carcinoma and their use in diagnosis and therapy  
 INVENTOR(S): Debuschewitz, Sabine; Jobst, Juergen; Kaiser, Stephan  
 PATENT ASSIGNEE(S): Germany  
 SOURCE: PCT Int. Appl., 98 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE		
WO 2003010336	A2	20030206	WO 2002-EP8305	20020725		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG	DE 10136273	A1	20030213	DE 2001-10136273	20010725
PRIORITY APPLN. INFO.:			DE 2001-10136273 A 20010725			

L24 ANSWER 13 OF 58 HCAPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 2002:981604 HCAPLUS  
 TITLE: Identification of residues which regulate activity of the STE20-related kinase hMINK  
 AUTHOR(S): Lim, Jaeseung; Lennard, Andrew; Sheppard, Paul W.; Kellie, Stuart  
 CORPORATE SOURCE: Yamanouchi Research Institute, Oxford, OX4 4SX, UK  
 SOURCE: Biochemical and Biophysical Research Communications (2003), 300(3), 694-698  
 CODEN: BBRCA9; ISSN: 0006-291X  
 PUBLISHER: Elsevier Science  
 DOCUMENT TYPE: Journal

LANGUAGE: English  
REFERENCE COUNT: 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L24 ANSWER 14 OF 58 HCPLUS COPYRIGHT 2003 ACS  
ACCESSION NUMBER: 2002:941845 HCPLUS  
DOCUMENT NUMBER: 138:21334  
TITLE: Protein, gene and cDNA sequences of a novel human protein kinase related to **serine/threonine** kinase and their uses in drug screening  
INVENTOR(S): Yan, Chunhua; Li, Zhenya; Neelam, Beena; Difrancesco, Valentina; Beasley, Ellen M.  
PATENT ASSIGNEE(S): PE Corporation (Ny), USA  
SOURCE: U.S., 107 pp.  
CODEN: USXXAM  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6492156	B1	20021210	US 2001-984890	20011031
WO 2003038115	A2	20030508	WO 2002-US34869	20021031
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			

PRIORITY APPLN. INFO.: US 2001-984890 A 20011031  
REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L24 ANSWER 15 OF 58 HCPLUS COPYRIGHT 2003 ACS  
ACCESSION NUMBER: 2002:732013 HCPLUS  
DOCUMENT NUMBER: 138:1084  
TITLE: Human **serine/threonine** protein kinase-like protein, protein and cDNA sequences, **recombinant** production and therapeutic uses  
INVENTOR(S): Mao, Yumin; Xie, Yi  
PATENT ASSIGNEE(S): Shanghai Bode Gene Development Co., Ltd., Peop. Rep. China  
SOURCE: Faming Zhanli Shengqing Gongkai Shuomingshu, 38 pp.  
CODEN: CNXXEV  
DOCUMENT TYPE: Patent  
LANGUAGE: Chinese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
CN 1329157	A	20020102	CN 2000-116663	20000621
PRIORITY APPLN. INFO.:			CN 2000-116663	20000621

L24 ANSWER 16 OF 58 HCPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2002:696559 HCAPLUS  
 DOCUMENT NUMBER: 137:227754  
 TITLE: Protein, gene and cDNA sequences of a novel  
       **human kinase** protein related to  
       **serine/threonine** protein kinase and  
       their uses in drug screening  
 INVENTOR(S): Ye, Jane; Yan, Chunhua; Di Francesco, Valentina;  
                   Beasley, Ellen M.  
 PATENT ASSIGNEE(S): USA  
 SOURCE: U.S. Pat. Appl. Publ., 174 pp.  
 CODEN: USXXCO  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2002127683	A1	20020912	US 2001-801876	20010309
US 6492155	B2	20021210		
US 2003027307	A1	20030206	US 2002-254869	20020926
PRIORITY APPLN. INFO.:			US 2001-801876	A3 20010309

L24 ANSWER 17 OF 58 HCAPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 2002:575249 HCAPLUS  
 DOCUMENT NUMBER: 137:136141  
 TITLE: Human protein kinase, its cDNA and protein sequences,  
       and use thereof  
 INVENTOR(S): Yu, Xuanchuan; Miranda, Maricar; Friddle, Carl Johan  
 PATENT ASSIGNEE(S): Lexicon Genetics Incorporated, USA  
 SOURCE: PCT Int. Appl., 50 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002059325	A2	20020801	WO 2001-US50497	20011220
WO 2002059325	A3	20030320		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
US 2002123622	A1	20020905	US 2001-28946	20011220
PRIORITY APPLN. INFO.:			US 2000-258335P	P 20001227

L24 ANSWER 18 OF 58 HCAPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 2002:488124 HCAPLUS  
 DOCUMENT NUMBER: 137:59517  
 TITLE: Human AURORA-1 and AURORA-2 kinases, cDNA and amino  
       acid sequences, and **recombinant** production  
 INVENTOR(S): Plowman, Gregory; Mossie, Kevin  
 PATENT ASSIGNEE(S): USA  
 SOURCE: U.S. Pat. Appl. Publ., 43 pp., Cont.-in-part of U.S.  
       Ser. No. 5,268, abandoned.

CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 4

## PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2002081578	A1	20020627	US 1998-12135	19980122
CN 1205740	A	19990120	CN 1996-199101	19961125
US 5962312	A	19991005	US 1996-755728	19961125
CA 2318352	AA	19990729	CA 1999-2318352	19990121
WO 9937788	A2	19990729	WO 1999-US1283	19990121
WO 9937788	A3	19990930		
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
AU 9925605	A1	19990809	AU 1999-25605	19990121
EP 1051500	A2	20001115	EP 1999-905450	19990121
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
JP 2002508937	T2	20020326	JP 2000-528695	19990121
US 6207401	B1	20010327	US 1999-283011	19990331
US 1995-8809P P 19951218				
US 1996-23943P P 19960814				
US 1996-755728 A2 19961125				
US 1998-5268 B2 19980109				
US 1998-12135 A 19980122				
WO 1999-US1283 W 19990121				

L24 ANSWER 19 OF 58 HCPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2002:408781 HCPLUS

DOCUMENT NUMBER: 137:2411

TITLE: Protein and cDNA sequences of human kinase sequence homologs

INVENTOR(S): Friddle, Carl Johan; Hilbun, Erin; Mathur, Brian; Turner, C. Alexander, Jr.

PATENT ASSIGNEE(S): Lexicon Genetics Incorporated, USA

SOURCE: PCT Int. Appl., 43 pp.

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

## PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002042438	A2	20020530	WO 2001-US43825	20011119
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				

AU 2002028633	A5	20020603	AU 2002-28633	20011119
US 2002110908	A1	20020815	US 2001-992481	20011119
PRIORITY APPLN. INFO.:			US 2000-252011P	P 20001120
			WO 2001-US43825	W 20011119

L24 ANSWER 20 OF 58 HCPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 2002:404409 HCPLUS  
 DOCUMENT NUMBER: 137:152764  
 TITLE: Alternative splice variants of doublecortin-like kinase are differentially **expressed** and have different kinase activities  
 AUTHOR(S): Burgess, Harold A.; Reiner, Orly  
 CORPORATE SOURCE: Department of Molecular Genetics, Weizmann Institute of Science, Rehovot, 76100, Israel  
 SOURCE: Journal of Biological Chemistry (2002), 277(20), 17696-17705  
 CODEN: JBCHA3; ISSN: 0021-9258  
 PUBLISHER: American Society for Biochemistry and Molecular Biology  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 REFERENCE COUNT: 49 THERE ARE 49 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L24 ANSWER 21 OF 58 HCPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 2002:391912 HCPLUS  
 DOCUMENT NUMBER: 137:1836  
 TITLE: Measurement of DNA methylation for analysis of the toxicology of substances  
 INVENTOR(S): Olek, Alexander; Piepenbrock, Christian; Berlin, Kurt  
 PATENT ASSIGNEE(S): Epigenomics Ag, Germany  
 SOURCE: PCT Int. Appl., 113 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002040710	A2	20020523	WO 2001-EP12951	20011108
WO 2002040710	A3	20030530		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
DE 10056802	A1	20020529	DE 2000-10056802	20001114
AU 2002023672	A5	20020527	AU 2002-23672	20011108
PRIORITY APPLN. INFO.:			DE 2000-10056802	A 20001114
			WO 2001-EP12951	W 20011108

L24 ANSWER 22 OF 58 HCPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 2002:293825 HCPLUS  
 DOCUMENT NUMBER: 136:321268  
 TITLE: Protein and cDNA sequences of **human** kinase sequence homologs  
 INVENTOR(S): Turner, C. Alexander, Jr.; Mathur, Brian

PATENT ASSIGNEE(S): Lexicon Genetics Incorporated, USA  
 SOURCE: PCT Int. Appl., 41 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002031129	A2	20020418	WO 2001-US32010	20011011
WO 2002031129	A3	20030206		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2002013183	A5	20020422	AU 2002-13183	20011011
US 2002128458	A1	20020912	US 2001-975326	20011011
US 6476210	B2	20021105		
US 2003023063	A1	20030130	US 2002-217357	20020809
PRIORITY APPLN. INFO.: US 2000-239821P P 20001012 US 2001-975326 A1 20011011 WO 2001-US32010 W 20011011				

L24 ANSWER 23 OF 58 HCPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 2002:177948 HCPLUS  
 DOCUMENT NUMBER: 137:74937  
 TITLE: Phosphorylation of a novel zinc-finger-like protein,  
 ZPR9, by murine protein **serine/threonine** kinase 38 (MPK38)  
 AUTHOR(S): Seong, Hyun-A.; Gil, Minchan; Kim, Kyong-Tai; Kim,  
 Sung-Jin; Ha, Hyunjung  
 CORPORATE SOURCE: Department of Biochemistry, School of Life Sciences,  
 Research Center for Bioresource and Health, Chungbuk  
 National University, Chungbuk, 361-763, S. Korea  
 SOURCE: Biochemical Journal (2002), 361(3), 597-604  
 PUBLISHER: CODEN: BIJOAK; ISSN: 0264-6021  
 DOCUMENT TYPE: Portland Press Ltd.  
 LANGUAGE: Journal  
 REFERENCE COUNT: English  
 31 THERE ARE 31 CITED REFERENCES AVAILABLE FOR THIS  
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L24 ANSWER 24 OF 58 HCPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 2002:72748 HCPLUS  
 DOCUMENT NUMBER: 136:146104  
 TITLE: Human stress genes identified using DNA microarrays  
 INVENTOR(S): Chenchik, Alex; Lukashev, Matvey E.  
 PATENT ASSIGNEE(S): Clontech, USA  
 SOURCE: U.S. Pat. Appl. Publ., 57 pp., Cont.-in-part of U.S.  
 Ser. No. 441,920.  
 DOCUMENT TYPE: CODEN: USXXCO  
 LANGUAGE: Patent  
 FAMILY ACC. NUM. COUNT: English  
 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2002009730	A1	20020124	US 2001-782909	20010213
PRIORITY APPLN. INFO.:			US 1998-222256	B2 19981228
			US 1999-440305	B2 19991117
			US 1999-441920	A2 19991117

L24 ANSWER 25 OF 58 HCPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 2001:868653 HCPLUS  
 DOCUMENT NUMBER: 136:15959  
 TITLE: Nucleic acid encoding a human **serine/threonine** protein kinase and its screening and therapeutic uses  
 INVENTOR(S): Wei, Ming-hHi; Zhu, Shiaoping; Woodage, Trevor; Di Francesco, Valentina; Beasley, Ellen M.  
 PATENT ASSIGNEE(S): Applera Corporation, USA  
 SOURCE: PCT Int. Appl., 66 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001090328	A2	20011129	WO 2001-US16760	20010524
WO 2001090328	A3	20020718		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
US 6482935	B1	20021119	US 2000-691861	20001018
EP 1290185	A2	20030312	EP 2001-937689	20010524
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR			
US 2003022232	A1	20030130	US 2002-259740	20020930
PRIORITY APPLN. INFO.:			US 2000-206550P	P 20000524
			US 2000-691861	A 20001018
			WO 2001-US16760	W 20010524

L24 ANSWER 26 OF 58 HCPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 2001:851353 HCPLUS  
 DOCUMENT NUMBER: 136:2248  
 TITLE: Human and mouse neuronal **serine/threonine** protein kinases and cDNAs and methods for diagnosis and treatment of neurological diseases and cancer  
 INVENTOR(S): Schneider, Armin; Klaussner, Bettina; Fischer, Achim; Newrzella, Dieter; Goetz, Bernhard; Rossner, Moritz; Eisenhardt, Gisela; Kuner, Rohini; Trutzel, Annette; Kammandel, Birgitta; Jomana, Naim Stephan; Schwaninger, Markus  
 PATENT ASSIGNEE(S): Basf-Lynx Bioscience A.-G., Germany  
 SOURCE: PCT Int. Appl., 75 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001088108	A1	20011122	WO 2001-EP5660	20010517
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
DE 10024171	A1	20011220	DE 2000-10024171	20000517
EP 1282700	A1	20030212	EP 2001-936370	20010517
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR			
PRIORITY APPLN. INFO.:			DE 2000-10024171 A	20000517
			WO 2001-EP5660	W 20010517
REFERENCE COUNT:	6	THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT		

L24 ANSWER 27 OF 58 HCAPLUS COPYRIGHT 2003 ACS  
ACCESSION NUMBER: 2001:763200 HCAPLUS  
DOCUMENT NUMBER: 135:328144  
TITLE: Novel human protein and cDNA sequences of kinases and its therapeutic use  
INVENTOR(S): Plowman, Gregory; Whyte, David; Manning, Gerard;  
Sudarsanam, Sucha; Martinez, Ricardo; Caenepeel, Sean  
PATENT ASSIGNEE(S): Sugen, Inc., USA  
SOURCE: PCT Int. Appl., 167 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001077338	A2	20011018	WO 2001-US11675	20010410
WO 2001077338	A3	20020829		
W:	AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CO, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
EP 1278859	A2	20030129	EP 2001-924901	20010410
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR			
PRIORITY APPLN. INFO.:			US 2000-195953P	P 20000410
			US 2000-201015P	P 20000501
			US 2000-213805P	P 20000622
			WO 2001-US11675	W 20010410

L24 ANSWER 28 OF 58 HCAPLUS COPYRIGHT 2003 ACS  
ACCESSION NUMBER: 2001:711043 HCAPLUS

DOCUMENT NUMBER: 136:275290  
 TITLE: WNK kinases, a novel protein kinase subfamily in multi-cellular organisms  
 AUTHOR(S): Verissimo, Fatima; Jordan, Peter  
 CORPORATE SOURCE: Centre for Human Genetics, National Institute of Health "Dr. Ricardo Jorge", Lisbon, 1649-016, Port.  
 SOURCE: Oncogene (2001), 20(39), 5562-5569  
 CODEN: ONCNES; ISSN: 0950-9232  
 PUBLISHER: Nature Publishing Group  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 REFERENCE COUNT: 17 THERE ARE 17 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L24 ANSWER 29 OF 58 HCAPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 2001:676960 HCAPLUS  
 DOCUMENT NUMBER: 135:237660  
 TITLE: Protein and cDNA sequences of novel **human** **kinase** interacting protein homologs and uses thereof in diagnosis, therapy and drug screening  
 INVENTOR(S): Mathur, Brian; **Turner, C. Alexander, Jr.**  
 PATENT ASSIGNEE(S): Lexicon Genetics Incorporated, USA  
 SOURCE: PCT Int. Appl., 32 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001066760	A2	20010913	WO 2001-US7499	20010308
WO 2001066760	A3	20020530		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
US 2002082406	A1	20020627	US 2001-802116	20010308
PRIORITY APPLN. INFO.:			US 2000-187719P	P 20000308

L24 ANSWER 30 OF 58 HCAPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 2001:618177 HCAPLUS  
 DOCUMENT NUMBER: 135:191337  
 TITLE: Protein and cDNA sequences of novel **human** **kinase** homologs and uses thereof in diagnosis, therapy and drug screening  
 INVENTOR(S): Walke, D. Wade; Hu, Yi; Nepomnichy, Boris; **Turner, C. Alexander, Jr.**; Zambrowicz, Brian  
 PATENT ASSIGNEE(S): Lexicon Genetics Incorporated, USA  
 SOURCE: PCT Int. Appl., 70 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
------------	------	------	-----------------	------

WO 2001061016	A2	20010823	WO 2001-US5356	20010215
WO 2001061016	A3	20020207		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
US 2002038011	A1	20020328	US 2001-783320	20010215
EP 1257652	A2	20021120	EP 2001-912839	20010215
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR			
PRIORITY APPLN. INFO.:			US 2000-183582P	P 20000218
			US 2000-184014P	P 20000222
			WO 2001-US5356	W 20010215

L24 ANSWER 31 OF 58 HCPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 2001:397023 HCPLUS  
 DOCUMENT NUMBER: 135:30738  
 TITLE: Novel human protein kinases and protein kinase-like enzymes and their cDNA sequences  
 INVENTOR(S): Plowman, Gregory D.; Whyte, David; Manning, Gerard; Sudarsanam, Sucha; Martinez, Ricardo; Flanagan, Peter; Clary, Douglas  
 PATENT ASSIGNEE(S): Sugen, Inc., USA  
 SOURCE: PCT Int. Appl., 433 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001038503	A2	20010531	WO 2000-US32085	20001122
WO 2001038503	A3	20020131		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
EP 1240194	A2	20020918	EP 2000-982200	20001122
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR			
JP 2003514583	T2	20030422	JP 2001-540254	20001122
PRIORITY APPLN. INFO.:			US 1999-167482P	A1 19991124
			WO 2000-US32085	W 20001122

L24 ANSWER 32 OF 58 HCPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 2001:368058 HCPLUS  
 DOCUMENT NUMBER: 135:328609  
 TITLE: Novel type of signaling molecules: protein kinases covalently linked with ion channels  
 AUTHOR(S): Ryazanova, L. V.; Pavur, K. S.; Petrov, A. N.;

CORPORATE SOURCE: Dorovkov, M. V.; Ryazanov, A. G.  
 Department of Pharmacology, Robert Wood Johnson  
 Medical School, University of Medicine and Dentistry  
 of New Jersey, Piscataway, NJ, 08854, USA  
 SOURCE: Molecular Biology (Moscow, Russian Federation, English  
 Language) (Translation of Molekulyarnaya Biologiya)  
 (2001), 35(2), 271-283  
 CODEN: MOLBBJ; ISSN: 0026-8933  
 PUBLISHER: MAIK Nauka/Interperiodica Publishing  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 REFERENCE COUNT: 44 THERE ARE 44 CITED REFERENCES AVAILABLE FOR THIS  
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L24 ANSWER 33 OF 58 HCAPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 2000:756836 HCAPLUS  
 DOCUMENT NUMBER: 133:318300  
 TITLE: Human homologs of Drosophila fused gene and protein  
 INVENTOR(S): Mosca, Monica; Isacchi, Antonella  
 PATENT ASSIGNEE(S): Pharmacia & Upjohn S.p.A, Italy  
 SOURCE: PCT Int. Appl., 64 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000063352	A2	20001026	WO 2000-EP2761	20000329
WO 2000063352	A3	20010201		
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
EP 1171580	A2	20020116	EP 2000-926771	20000329
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
JP 2002541837	T2	20021210	JP 2000-612431	20000329
PRIORITY APPLN. INFO.:			GB 1999-8798	A 19990416
			WO 2000-EP2761	W 20000329

L24 ANSWER 34 OF 58 HCAPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 2000:756527 HCAPLUS  
 DOCUMENT NUMBER: 133:325643  
 TITLE: Antifibrotic formulations containing inhibitors of  
 cell-volume-regulated **human kinase**  
 h-sgk  
 INVENTOR(S): Lang, Florian; Waldegger, Siegfried; Wagner, Carsten;  
 Broer, Stefan; Klingel, Karin  
 PATENT ASSIGNEE(S): Germany  
 SOURCE: PCT Int. Appl., 32 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000062781	A1	20001026	WO 2000-EP3578	20000419
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
DE 19917990	A1	20001102	DE 1999-19917990	19990420
BR 2000009914	A	20020108	BR 2000-9914	20000419
EP 1171131	A1	20020116	EP 2000-922655	20000419
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
JP 2002542196	T2	20021210	JP 2000-611917	20000419
NO 200105054	A	20011214	NO 2001-5054	20011017
PRIORITY APPLN. INFO.:			DE 1999-19917990 A	19990420
			WO 2000-EP3578 W	20000419
REFERENCE COUNT:	17	THERE ARE 17 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT		
L24 ANSWER 35 OF 58	HCAPLUS	COPYRIGHT 2003 ACS		
ACCESSION NUMBER:	2000:668346	HCAPLUS		
DOCUMENT NUMBER:	134:14614			
TITLE:	SPAK, a STE20/SPS1-related kinase that activates the p38 pathway			
AUTHOR(S):	Johnston, Anne M.; Naselli, Gaetano; Gómez, L. Jorge; Martin, Roland M.; Harrison, Leonard C.; DeAizpuru, Henry J.			
CORPORATE SOURCE:	Autoimmunity and Transplantation Division, The Walter and Eliza Hall Institute of Medical Research, Parkville, 3050, Australia			
SOURCE:	Oncogene (2000), 19(37), 4290-4297			
PUBLISHER:	Nature Publishing Group			
DOCUMENT TYPE:	Journal			
LANGUAGE:	English			
REFERENCE COUNT:	36	THERE ARE 36 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT		
L24 ANSWER 36 OF 58	HCAPLUS	COPYRIGHT 2003 ACS		
ACCESSION NUMBER:	2000:341453	HCAPLUS		
DOCUMENT NUMBER:	133:131554			
TITLE:	Characterization of PDZ-binding kinase, a mitotic kinase			
AUTHOR(S):	Gaudet, Suzanne; Branton, Daniel; Lue, Robert A.			
CORPORATE SOURCE:	Department of Molecular and Cellular Biology, Harvard University, Cambridge, MA, 02138, USA			
SOURCE:	Proceedings of the National Academy of Sciences of the United States of America (2000), 97(10), 5167-5172			
PUBLISHER:	National Academy of Sciences			
DOCUMENT TYPE:	Journal			
LANGUAGE:	English			
REFERENCE COUNT:	32	THERE ARE 32 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT		
L24 ANSWER 37 OF 58	HCAPLUS	COPYRIGHT 2003 ACS		

ACCESSION NUMBER: 2000:129376 HCPLUS  
DOCUMENT NUMBER: 132:290285  
TITLE: PSK, a novel STE20-like kinase derived from prostatic carcinoma that activates the c-Jun N-terminal kinase mitogen-activated protein kinase pathway and regulates actin cytoskeletal organization  
AUTHOR(S): Moore, Tanya M.; Garg, Ritu; Johnson, Caroline; Coptcoat, Malcolm J.; Ridley, Anne J.; Morris, Jonathan D. H.  
CORPORATE SOURCE: Molecular Oncology Laboratory, Department of Academic Surgery, Rayne Institute, King's College School of Medicine and Dentistry, London, SE5 9NU, UK  
SOURCE: Journal of Biological Chemistry (2000), 275(6), 4311-4322  
PUBLISHER: American Society for Biochemistry and Molecular Biology  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
REFERENCE COUNT: 77 THERE ARE 77 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L24 ANSWER 38 OF 58 HCPLUS COPYRIGHT 2003 ACS  
ACCESSION NUMBER: 1999:315403 HCPLUS  
DOCUMENT NUMBER: 131:99243  
TITLE: Characterization of a novel type of **serine/threonine** kinase that specifically phosphorylates the human Goodpasture antigen  
AUTHOR(S): Raya, Angel; Revert, Fernando; Navarro, Samuel; Saus, Juan  
CORPORATE SOURCE: Fundacion Valenciana de Investigaciones Biomedicas, Instituto de Investigaciones Citológicas, Valencia, 46010, Spain  
SOURCE: Journal of Biological Chemistry (1999), 274(18), 12642-12649  
PUBLISHER: American Society for Biochemistry and Molecular Biology  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
REFERENCE COUNT: 41 THERE ARE 41 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L24 ANSWER 39 OF 58 HCPLUS COPYRIGHT 2003 ACS  
ACCESSION NUMBER: 1999:297827 HCPLUS  
DOCUMENT NUMBER: 131:140207  
TITLE: Human Minibrain Homologue (MNBH/DYRK1): Characterization, Alternative Splicing, Differential Tissue **Expression**, and Overexpression in Down Syndrome  
AUTHOR(S): Guimera, Jordi; Casas, Caty; Estivill, Xavier; Pritchard, Melanie  
CORPORATE SOURCE: Medical and Molecular Genetics Center-IRO, Hospital Duran i Reynals, Barcelona, 08907, Spain  
SOURCE: Genomics (1999), 57(3), 407-418  
PUBLISHER: Academic Press  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
REFERENCE COUNT: 32 THERE ARE 32 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L24 ANSWER 40 OF 58 HCAPLUS COPYRIGHT 2003 ACS  
ACCESSION NUMBER: 1999:42532 HCAPLUS  
DOCUMENT NUMBER: 130:106933  
TITLE: A human homolog of the rat serum glucocorticoid-regulated kinase and a cDNA encoding it  
INVENTOR(S): Kumar, Sanjay; Zou, Cheng  
PATENT ASSIGNEE(S): Smithkline Beecham Corporation, USA  
SOURCE: Eur. Pat. Appl., 27 pp.  
CODEN: EPXXDW  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 889127	A1	19990107	EP 1998-304830	19980618
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
CA 2235785	AA	19990101	CA 1998-2235785	19980623
JP 11123086	A2	19990511	JP 1998-186223	19980701
US 2001027184	A1	20011004	US 2001-784249	20010215
PRIORITY APPLN. INFO.:				
US 1997-51446P P 19970701				
US 1997-997212 A 19971223				
REFERENCE COUNT:	5	THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT		

L24 ANSWER 41 OF 58 HCAPLUS COPYRIGHT 2003 ACS  
ACCESSION NUMBER: 1998:513247 HCAPLUS  
DOCUMENT NUMBER: 129:240625  
TITLE: Human ULK1, a novel **serine/threonine** kinase related to UNC-51 kinase of *Caenorhabditis elegans*: cDNA cloning, expression, and chromosomal assignment  
AUTHOR(S): Kuroyanagi, Hidehito; Yan, Jin; Seki, Naohiko; Yamanouchi, Yasuko; Suzuki, Yo-ichi; Takano, Takako; Muramatsu, Masa-aki; Shirasawa, Takuji  
CORPORATE SOURCE: Department of Mol. Genetics, Tokyo Metropolitan Inst. of Gerontology, Tokyo, 173-0015, Japan  
SOURCE: Genomics (1998), 51(1), 76-85  
CODEN: GNMCEP; ISSN: 0888-7543  
PUBLISHER: Academic Press  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
REFERENCE COUNT: 40 THERE ARE 40 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L24 ANSWER 42 OF 58 HCAPLUS COPYRIGHT 2003 ACS  
ACCESSION NUMBER: 1998:29361 HCAPLUS  
DOCUMENT NUMBER: 128:152647  
TITLE: Peutz-Jeghers syndrome is caused by mutations in a novel **serine threonine** kinase  
AUTHOR(S): Jenne, Dieter E.; Reimann, Heike; Nezu, Jun-ichi; Friedel, Waltraut; Loff, Steffan; Jeschke, Reinhard; Muller, Oliver; Back, Walter; Zimmer, Michael  
CORPORATE SOURCE: Dep. Neuroimmunol., Max-Planck-Inst. Psychiatry, Martinsried, 82152, Germany  
SOURCE: Nature Genetics (1998), 18(1), 38-43  
CODEN: NGENEC; ISSN: 1061-4036  
PUBLISHER: Nature America  
DOCUMENT TYPE: Journal  
LANGUAGE: English

REFERENCE COUNT: 19 THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L24 ANSWER 43 OF 58 HCAPLUS COPYRIGHT 2003 ACS  
ACCESSION NUMBER: 1997:705075 HCAPLUS  
DOCUMENT NUMBER: 128:10745  
TITLE: **Cloning** and partial sequencing of a novel human activin receptor-like kinase  
AUTHOR(S): Ohno, Tsukasa; Imai, Atsushi; Takagi, Atsushi; Horibe, Shinji; Takagi, Hiroshi; Tamaya, Teruhiko  
CORPORATE SOURCE: Department of Obstetrics and Gynecology, Gifu University School of Medicine, Tsukasamachi, 500, Japan  
SOURCE: Oncology Reports (1997), 4(6), 1349-1351  
CODEN: OCRPEW; ISSN: 1021-335X  
PUBLISHER: Oncology Reports  
DOCUMENT TYPE: Journal  
LANGUAGE: English

L24 ANSWER 44 OF 58 HCAPLUS COPYRIGHT 2003 ACS  
ACCESSION NUMBER: 1997:702583 HCAPLUS  
DOCUMENT NUMBER: 128:44418  
TITLE: Identification of two novel human putative **serine/threonine** kinases, VRK1 and VRK2, with structural similarity to vaccinia virus B1R kinase  
AUTHOR(S): Nezu, Jun-ichi; Oku, Asuka; Jones, Michael H.; Shimane, Miyuki  
CORPORATE SOURCE: Gene Search Program, Chugai Res. Inst. Mol. Med., Niihari, 300-41, Japan  
SOURCE: Genomics (1997), 45(2), 327-331  
CODEN: GNMCEP; ISSN: 0888-7543  
PUBLISHER: Academic  
DOCUMENT TYPE: Journal  
LANGUAGE: English

L24 ANSWER 45 OF 58 HCAPLUS COPYRIGHT 2003 ACS  
ACCESSION NUMBER: 1997:316553 HCAPLUS  
DOCUMENT NUMBER: 127:1463  
TITLE: Human SAK related to the PLK/polo family of cell cycle kinases shows high mRNA **expression** in **testis**  
AUTHOR(S): Karn, Thomas; Holtrich, Uwe; Wolf, Georg; Hock, Bjoern; Strehhardt, Klaus; Ruebsamen-Waigmann, Helga  
CORPORATE SOURCE: Chemotherapeutisches Forschungsinstitut, Frankfurt, 60596, Germany  
SOURCE: Oncology Reports (1997), 4(3), 505-510  
CODEN: OCRPEW; ISSN: 1021-335X  
PUBLISHER: Oncology Reports  
DOCUMENT TYPE: Journal  
LANGUAGE: English

L24 ANSWER 46 OF 58 HCAPLUS COPYRIGHT 2003 ACS  
ACCESSION NUMBER: 1996:558103 HCAPLUS  
DOCUMENT NUMBER: 125:239716  
TITLE: A human homolog of Drosophila minibrain (MNB) is **expressed** in the neuronal regions affected in Down syndrome and maps to the critical region  
AUTHOR(S): Guimera, Jordi; Casas, Caty; Pucharcos, Carles; Solans, Asun; Domenech, Anna; Planas, Anna M.; Ashley, Jennifer; Lovett, Michael; Estivill, Xavier; Pritchard, Melanie A.

CORPORATE SOURCE: Mol. Genetics Dep., Cancer Res. Inst., Barcelona,  
 08907, Spain  
 SOURCE: Human Molecular Genetics (1996), 5(9), 1305-1310  
 CODEN: HMGEE5; ISSN: 0964-6906  
 PUBLISHER: Oxford University Press  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English

L24 ANSWER 47 OF 58 HCAPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 1996:498524 HCAPLUS  
 DOCUMENT NUMBER: 125:215535  
 TITLE: prk, A cytokine-inducible human protein **serine**  
**/threonine** kinase whose **expression**  
 appears to be down-regulated in lung carcinomas  
 Li, Bo; Ouyang, Bin; Pan, Huiqi; Reissmann, Peter T.;  
 Slamon, Dennis J.; Arceci, Robert; Lu, Luo; Dai, Wei  
 Div. Hematol. Oncol., Univ. Cincinnati Coll. Med.,  
 Cincinnati, OH, 45267, USA  
 SOURCE: Journal of Biological Chemistry (1996), 271(32),  
 19402-19408  
 CODEN: JBCHA3; ISSN: 0021-9258  
 PUBLISHER: American Society for Biochemistry and Molecular  
 Biology  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English

L24 ANSWER 48 OF 58 HCAPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 1996:366094 HCAPLUS  
 DOCUMENT NUMBER: 125:80511  
 TITLE: Human p21 protein-activated protein **serine**  
 kinase p65 (PAK65) and a cDNA encoding it and its  
 therapeutic applications  
 INVENTOR(S): Abo, Arie; Martin, George A.  
 PATENT ASSIGNEE(S): Onyx Pharmaceuticals, Inc., USA  
 SOURCE: U.S., 42 pp.  
 CODEN: USXXAM  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5518911	A	19960521	US 1995-369780	19950106
US 5605825	A	19970225	US 1995-475682	19950607
CA 2209426	AA	19960711	CA 1996-2209426	19960105
WO 9620948	A1	19960711	WO 1996-US487	19960105
W: AU, CA, JP				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
AU 9647560	A1	19960724	AU 1996-47560	19960105
AU 702308	B2	19990218		
EP 802921	A1	19971029	EP 1996-903482	19960105
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE				
JP 10512143	T2	19981124	JP 1996-521283	19960105
US 5698445	A	19971216	US 1996-636036	19960422
US 5698428	A	19971216	US 1997-780833	19970110
US 6013464	A	20000111	US 1997-918509	19970822
US 6048706	A	20000411	US 1998-108262	19980701
PRIORITY APPLN. INFO.:			US 1995-369780	19950106
			US 1995-475682	19950607
			WO 1996-US487	19960105
			US 1997-780833	19970110

L24 ANSWER 49 OF 58 HCAPLUS COPYRIGHT 2003 ACS  
ACCESSION NUMBER: 1996:312447 HCAPLUS  
DOCUMENT NUMBER: 125:27254  
TITLE: Cloning and characterization of GRB14, a novel member of the GRB7 gene family  
AUTHOR(S): Daly, Roger J.; Sanderson, Georgina M.; Janes, Peter W.; Sutherland, Robert L.  
CORPORATE SOURCE: Cancer Biol. Div., Garvan Inst. Med. Res., New South Wales, 2010, Australia  
SOURCE: Journal of Biological Chemistry (1996), 271(21), 12502-12510  
CODEN: JBCHA3; ISSN: 0021-9258  
PUBLISHER: American Society for Biochemistry and Molecular Biology  
DOCUMENT TYPE: Journal  
LANGUAGE: English

L24 ANSWER 50 OF 58 HCAPLUS COPYRIGHT 2003 ACS  
ACCESSION NUMBER: 1996:117590 HCAPLUS  
DOCUMENT NUMBER: 124:224537  
TITLE: 3pK, a new mitogen-activated protein kinase-activated protein kinase located in the small cell lung cancer tumor suppressor gene region  
AUTHOR(S): Sithanandam, Gunamani; Latif, Farida; Duh, Fuh-Mei; Bernal, Ricardo; Smola, Ute; Li, Hua; Kuzmin, Igor; Wixler, Viktor; Geil, Laura; et al.  
CORPORATE SOURCE: Biological Carcinogenesis Development Program, PRI/DynCorp, Frederick, MD, 21702-1201, USA  
SOURCE: Molecular and Cellular Biology (1996), 16(3), 868-76  
CODEN: MCEBD4; ISSN: 0270-7306  
PUBLISHER: American Society for Microbiology  
DOCUMENT TYPE: Journal  
LANGUAGE: English

L24 ANSWER 51 OF 58 HCAPLUS COPYRIGHT 2003 ACS  
ACCESSION NUMBER: 1995:727998 HCAPLUS  
DOCUMENT NUMBER: 123:277512  
TITLE: A human homolog of the Drosophila tumor suppressor gene l(2)gl maps to 17p11.2-12 and codes for a cytoskeletal protein that associates with nonmuscle myosin II heavy chain  
AUTHOR(S): Strand, Dennis; Unger, Sylvia; Corvi, Raffaella; Hartenstein, Kirsten; Schenkel, Heide; Kalmes, Andreas; Merdes, Gunter; Neumann, Beate; Krieg-Schneider, Frank  
CORPORATE SOURCE: Dep. of Developmental Genetics, Deutsches Krebsforschungszentrum, Heidelberg, D-69120, Germany  
SOURCE: Oncogene (1995), 11(2), 291-301  
CODEN: ONCNES; ISSN: 0950-9232  
PUBLISHER: Macmillan Scientific & Medical Division  
DOCUMENT TYPE: Journal  
LANGUAGE: English

L24 ANSWER 52 OF 58 HCAPLUS COPYRIGHT 2003 ACS  
ACCESSION NUMBER: 1995:613945 HCAPLUS  
DOCUMENT NUMBER: 123:50541  
TITLE: Characterization of myotonic dystrophy kinase (DMK) protein in human and rodent muscle and central nervous tissue  
AUTHOR(S): Whiting, Elisabeth J.; Waring, James D.; Tamai,

CORPORATE SOURCE: Katsuyuki; Somerville, Martin J.; Hincke, Maxwell; Staines, William A.; Ikeda, Joh-E.; Korneluk, Robert G.  
SOURCE: Dep. Microbiol. Immunol., Univ. Ottawa, Ottawa, ON, Can.  
PUBLISHER: Human Molecular Genetics (1995), 4(6), 1063-72  
DOCUMENT TYPE: CODEN: HMGEE5; ISSN: 0964-6906  
LANGUAGE: Oxford University Press  
Journal  
English

L24 ANSWER 53 OF 58 HCAPLUS COPYRIGHT 2003 ACS  
ACCESSION NUMBER: 1994:695669 HCAPLUS  
DOCUMENT NUMBER: 121:295669  
TITLE: Identification and characterization of DBK, a novel putative **serine/threonine** protein kinase from human endothelial cells  
AUTHOR(S): Chu, Wei; Presky, David H.; Danho, Waleed; Swerlick, Robert A.; Burns, Daniel K.  
CORPORATE SOURCE: Dep. Inflammation/Autoimmune Diseases, Hoffman-La Roche Inc., Nutley, NJ, USA  
SOURCE: European Journal of Biochemistry (1994), 225(2), 695-72  
DOCUMENT TYPE: CODEN: EJBCAI; ISSN: 0014-2956  
LANGUAGE: Journal  
English

L24 ANSWER 54 OF 58 HCAPLUS COPYRIGHT 2003 ACS  
ACCESSION NUMBER: 1994:674996 HCAPLUS  
DOCUMENT NUMBER: 121:274996  
TITLE: A novel dual specificity phosphatase induced by serum stimulation and heat shock  
AUTHOR(S): Ishibashi, Toshio; Boattaro, Donald P.; Michieli, Paolo; Kelley, Christine A.; Aaronson, Stuart A.  
CORPORATE SOURCE: NCI, National Inst. Health, Bethesda, MD, 20892, USA  
SOURCE: Journal of Biological Chemistry (1994), 269(47), 29897-902  
PUBLISHER: CODEN: JBCHA3; ISSN: 0021-9258  
American Society for Biochemistry and Molecular Biology  
DOCUMENT TYPE: Journal  
LANGUAGE: English

L24 ANSWER 55 OF 58 HCAPLUS COPYRIGHT 2003 ACS  
ACCESSION NUMBER: 1994:573842 HCAPLUS  
DOCUMENT NUMBER: 121:173842  
TITLE: **Cloning** of a novel putative protein kinase having a leucine zipper domain from human **brain**  
AUTHOR(S): Reddy, Usha R.; Pleasure, David  
CORPORATE SOURCE: Neurology Research, Children's Hosp. of Philadelphia, Philadelphia, PA, 19104, USA  
SOURCE: Biochemical and Biophysical Research Communications (1994), 202(1), 613-20  
DOCUMENT TYPE: CODEN: BBRCA9; ISSN: 0006-291X  
LANGUAGE: Journal  
English

L24 ANSWER 56 OF 58 HCAPLUS COPYRIGHT 2003 ACS  
ACCESSION NUMBER: 1994:552099 HCAPLUS  
DOCUMENT NUMBER: 121:152099  
TITLE: Two novel human **serine/threonine**

AUTHOR(S): kinases with homologies to the cell cycle regulating *Xenopus* MO15, and NIMA kinases: **cloning** and characterization of their **expression** pattern  
Levedakou, Eleni N.; He, Mei; Baptist, Edward W.; Craven, Rolf J.; Cance, William G.; Welcsh, Piri L.; Simmins, Andrew; Naylor, Susan L.; Leach, Robin J.; et al.

CORPORATE SOURCE: Lineberger Comprehensive Cancer Center, University North Carolina, Chapel Hill, NC, 27599, USA

SOURCE: Oncogene (1994), 9(7), 1977-88

DOCUMENT TYPE: CODEN: ONCNES; ISSN: 0950-9232

LANGUAGE: Journal  
English

L24 ANSWER 57 OF 58 HCAPLUS COPYRIGHT 2003 ACS  
ACCESSION NUMBER: 1994:477177 HCAPLUS  
DOCUMENT NUMBER: 121:77177  
TITLE: Differential **expression** of a novel protein kinase in human B lymphocytes. Preferential localization in the germinal center  
Katz, Paul; Wahlen, Gail; Kehrl, John H.  
Lab. Immunoregul., Natl. Inst. Health, Bethesda, MD, 20892, USA  
Journal of Biological Chemistry (1994), 269(24), 16802-9  
CODEN: JBCHA3; ISSN: 0021-9258

AUTHOR(S): Journal  
CORPORATE SOURCE: English

SOURCE: DOCUMENT TYPE: CODEN: PNASA6; ISSN: 0027-8424

LANGUAGE: Journal  
English

L24 ANSWER 58 OF 58 HCAPLUS COPYRIGHT 2003 ACS  
ACCESSION NUMBER: 1994:318218 HCAPLUS  
DOCUMENT NUMBER: 120:318218  
TITLE: Induction and down-regulation of PLK, a human **serine/threonine** kinase  
**expressed** in proliferating cells and tumors  
Holtrich, Uwe; Wolf, Georg; Braeuninger, Andreas; Karn, Thomas; Boehme, Beatrix; Ruebsamen-Waigmann, Helga; Strebhardt, Klaus  
Chernotherapeutisches Forschungsinst., Georg-Speyer-Haus, Frankfurt, 60596, Germany  
Proceedings of the National Academy of Sciences of the United States of America (1994), 91(5), 1736-40

AUTHOR(S): DOCUMENT TYPE: CODEN: ONCNES; ISSN: 0950-9232

CORPORATE SOURCE: SOURCE: Journal  
LANGUAGE: English

=> d his

(FILE 'HOME' ENTERED AT 08:54:44 ON 01 JUL 2003)

FILE 'MEDLINE, EMBASE, BIOSIS, BIOTECHDS, SCISEARCH, HCAPLUS, NTIS, LIFESCI' ENTERED AT 08:55:32 ON 01 JUL 2003

L1 1090522 S KINASE?  
L2 1344 S HUMAN (A)L1  
L3 6013004 S CLON? OR EXPRESS? OR RECOMBINANT  
L4 895 S L2 AND L3  
L5 3305135 S BRAIN OR CEREBELUM OR PROSTATE OR TESTIS OR ADRENAL  
L6 3654948 S THYROID OR PANCREAS OR HEART OR SALIVARY OR STOMACH  
L7 209 S L4 AND L5  
L8 105 S L4 AND L6  
L9 249 S L7 OR L8

L10 202 DUP REM L9 (47 DUPLICATES REMOVED)  
L11 374311 S SERINE OR THREONINE  
L12 56 S L10 AND L11  
E DONOHO G/AU  
L13 62 S E3  
L14 132 S E3-E9  
E HILBUN E/AU  
L15 54 S E3-E4  
E TURNER C A/AU  
L16 241 S E3-E9  
E FRIEDRICH G/AU  
L17 830 S E3  
E ZAMBROWICZ B/AU  
L18 75 S E3  
L19 260 S E3-E9  
E SANDS A T/AU  
L20 120 S E3  
L21 1293 S L12 OR L14 OR L15 OR L16 OR L17 OR L18 OR L20  
L22 56 S L12 AND L21  
L23 56 DUP REM L22 (0 DUPLICATES REMOVED)  
L24 58 S L10 AND L21